

**FACULTY DELIVERABLES MONITORING SYSTEM  
WITH NOTIFICATION FEATURE**

A Capstone Project  
Presented to the Faculty of the  
College of Computer Studies and Information Technology,  
Southern Leyte State University

In Partial Fulfillment of the Requirements for the  
Degree Bachelor of Science in Information Technology

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*College of Computer Studies and Information Technology*

**APPROVAL SHEET**

The Capstone Project Study entitled **Faculty Deliverables Monitoring System with Notification Feature** prepared and submitted by **Remojo's Group** has been examined and is recommended for approval and acceptance.

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ACCEPTED and APPROVED in partial fulfillment of the requirements in Bachelor of Science in Information Technology.

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## **DEDICATION**

The proponents would like to dedicate this capstone project to their selves for the success even though this trying time we were facing crisis such as Pandemic, the proponent's team were able to give time and effort as a contribution for the progress of their Project. we do hope that each one of them would have faith to pursue their dreams and never give up as they encounter problems, rejection, trials and in times of difficulty ahead of their journey.

The proponents would also love to dedicate this success to their parents who have never failed to give and contribute support financially, morally and the advices for the progress of their project.

To their instructor Sir James Brian Flores, they would like to express their gratitude to the said instructor, thank you for your Understanding, amazing and creative ideas, patience and care you will be remembered for your dedication and help you provided for every student, and the hard work you did with all of your heart every day.

The proponents also dedicated foremost to God Almighty for his love, mercy and grace of their lives.

## **ACKNOWLEDGEMENT**

First of all, we the researchers would like to thank the Almighty God for His enduring grace, guidance, and protection that He has bestowed upon us during this research project.

We would like to express our sincerest gratitude to our adviser, Mr. James Brian Flores, who gave us the golden opportunity to do this wonderful project on the topic "Faculty Deliverables Monitoring System with SMS Notification" which help us to be more creative, for his continues support in this research, for patience, and immense knowledge. His guidance helped us throughout this research and writing the thesis.

To our parents, who have continuously support through financial, mental behavior to accomplish this study. The guidance, encouragement and the presence of our parents help us the most.

We would like to thank our fellow classmates and friends for the stimulating discussions, for sharing ideas, for fun experience, and for the sleepless nights that were working together for deadlines.

**THANK YOU TO EVERYONE WHO HELPED.**

## EXECUTIVE SUMMARY

This study aimed to design and create a faculty deliverables monitoring system with a notification feature. The system allows the faculty member to review their criteria and deliverables, such as grades, syllabi, and learning material. During the development of the system, it has undergone specific steps anchored to the System Development Life Cycle (SDLC). The ISO 25010 system evaluation tool was utilized to determine the performance of the system. The evaluation result shows that the system's functionality, reliability, usability, efficiency, maintainability, portability, security, and compatibility are all functional. The system is recommended to be adopted and utilized by organizations with similar processes and procedures.

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*Keywords:* faculty deliverable, monitoring system, ISO25010, notification system

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# **CHAPTER I**

## **INTRODUCTION**

### **Project Context**

Information plays a vital role in the administrator's accumulation of reports of anything that matters; devices such as cellular phones, laptops, and computers are used to communicate with the students to be in touch with their grades, activities, and so on. In terms of communication, it's an essential tool that tackles the proper approach to reaching out and providing services to students on most campuses. Before technology wasn't ubiquitous, the Southern Leyte State University-Main Campus performed the task well because they managed their job manually or through the workforce. Those circumstances are too complicated for the monitoring system because they only used light materials like cabinets/ etc., to store information already validated by the admin. Students that inquire may take a while to wait. After all, the faculty will go through many lists of students to get to the specific students. It's more of a hassle for both faculty members. In addition, it is prone if an accident happens, e.g., fire, flood, earthquake, or loss of data that may lead to data loss. The monitoring system is a rescue project, so it will be essential to have backup management data security of the files stored on the system. Security must be prioritized to counteract such systemic attacks.

Now our team makes a procedure to solve such problems on the "Faculty Deliverables Monitoring System with Notifications" The capstone project is a web-based project that allows faculty to upload their deliverables, including grades, syllabi, and learning materials. Faculty and department heads will be able to communicate more easily with one another and keep track of the requirements and documents submitted.



excellent way to ensure students are on the right learning path is to keep track of the faculty's deliverables. Faculty members must complete their assigned deliverables and submit them for review and approval. Academic institutions still need a system to monitor the faculty deliverables effectively. Monitoring traditional communication is also complicated due to physical barriers and time constraints. With proper communication, approval and monitoring of deliverables will be completed on time.

### **Purpose and Description**

The main goal of this proposed system is to systematize the submission and monitoring process of deliverables in the college. The system will allow faculty members to review their criteria and deliverables, such as grades, syllabuses, and learning materials, among other required documents. Faculty members and department heads will be able to communicate more easily with one another and keep track of the needs and data supplied. The project also includes a notification tool to notify faculty members about deadlines.

### **Objective of the Project**

The project's major objective of this study is to design and create a deliverable's monitoring system in which faculty members can upload their deliverables for convenient tracking. Specifically, this project aims to:

1. To create a system that will store faculty deliverables.
2. To create a system that will make it easier to track and approve faculty deliverables.
3. To simplify the process of tracing the status of deliverable

### **Scope and Limitations**

This study will focus on the faculty members of Southern Leyte State University Main Campus, to upload their deliverables through online where in the administrator would be able to validate and notified by the system through SMS on its deadline.

## **Chapter II**

### **REVIEW OF RELATED LITERATURE**

#### **Theoretical Background**

This chapter presents a review of the related literature and significant studies that will allow the researchers to acquire essential information and references on different perspectives, concepts, and theories in the design and development of File Management Systems in C# and MySQL. It also includes some operational and technical terms related to the Study.

Stalling (2012) defines a file management system as system software that deliver services to users and applications to use files. Typically, the only way a user or application may access a file is through the file management system. Relieves the user or programmer of the requisite of developing special-purpose software for per application. It also provides the System with a consistent, well-defined means of controlling its most important assets. File management system aims: to meet the data management needs and necessity of the end-user, which include storage of data and the capacity to do the operations as mentioned above; to ensure, to the extent possible, that the data in the file are valid; to develop , both from the system point of view in name of overall throughout and from the user's point of view in periods of response time to provide I/O support for a variety of storage device types; to minimize or remove the possible for lost or destroyed data; to give a standardized set of I/O interface routines to user processes; and to provide I/O support for numerous users, in the case of multiple-user systems.

## **Related Studies**

The developed Warehouse inventory management system is very efficient. It can perform dynamic data Updating and Real-Time search operations from the database with the help of a web server. With the user-friendly user interface, users can easily spot the tracked product in the Warehouse without much effort. This research was supported by Mr. K. Sripath Roy and ESSN research group at KL University. I thank the Institute for providing constant support for this research from the expertise.

Product lifecycle management systems. - Product structures. - Integration of the PLM system with other applications. - Deployment of the PLM system. - Business benefits of a PLM system. - Challenges of product management in the manufacturing industry. - Service industry and PLM. The role of product information management in collaborative business development. - Understanding the product lifecycle. - Product and product management strategy as a part of business strategy. - e-Business - electronic business and PLM. - Digest. - Epilogue. – Appendix.

An OLTP system is characterized by many short online transactions (READ, INSERT, UPDATE, and DELETE). The intention of this System is to run fundamental business requirement. It processes transactions in a multiple-user environment. It captures and stores detailed archived of transactions in an OLTP database, commonly based on the Relational data model, and is standardize to the third standard form (3NF) with many tables. These new databases, also recognize as NoSQL databases, were designed to store and process growing data ("Big Data"). These NoSQL databases pose same opportunities and challenges to OLTP and OLAP systems.

This paper describes research at Purdue University on identifying factors determining the success or failure of web-based construction project management systems, mainly through application service providers utilized by construction firms without in-house expertise to develop such strategies for exclusive company use. The entry of Automation in Construction is broad, include all stages of the construction life cycle from initial planning and design through the construction of the facility, its operation, and maintenance to the eventual dismember and recycling of buildings and engineering structures.

Hotfile is a user-level file management system. It wraps GridFTP, GASS, or any other file transfer protocol compatible with the Hotfile structure into a unified vegafile protocol. Based on a virtual grid file layer and a set of basic grid file operations, users can access grid files without knowing the physical transport protocol of the file. The file management system from unit files management practice, by national standards and relevant industry standards, at the same time, in the "people-oriented" principle, is suitable for developing the middle and primary school the characteristics of the existing file management software.

The development and design of an Android-based File Management System, attendance sheet, memorandum, and Letters; the result of a module that can send a notification to the users, the development of a module that can manage files, development of a module that sends notifications such as reminder message, a warning message, and information message, development of a module that records the complete details of files and product of a module that records the profile of the Admin and user.

## **CHAPTER III**

### **TECHNICAL BACKGROUND**

#### **The Technicality of the Project:**

This web-based Project was created using C#, MySQL, and Visual Studio Material Design. This Project's goal is to allow faculty members to post their criteria and deliverables, such as grades, syllabuses, and learning materials, among other things. Faculty members and department heads can easily connect and track requirements and files supplied with this online tool. The Project also includes a text message notification tool that reminds professors of the requirements deadline.

#### **Technologies Details:**

##### **CSS**

Cascading Style Sheets is a mode sheet language used to describe a document's presentation in a markup language such as HTML or XML. CSS is a root technology of the world wide web, alongside HTML and JavaScript.

##### **HTML**

Hypertext Markup language or HTML is the common markup language for validate intend to be displayed in a web browser. Cascading Style Sheets and scripting languages like JavaScript can assist it.

## **Visual Studio**

Visual Studio, also known as Microsoft Visual Studio and VS, is an integrated development environment for Microsoft Windows. It is a tool for writing computer programs, websites, web apps, and web services. It includes a code editor, debugger, GUI design tool, and database schema designer and supports most major revision control systems. It is available in a free "Community" edition and a paid commercial version.

## **SQL Server**

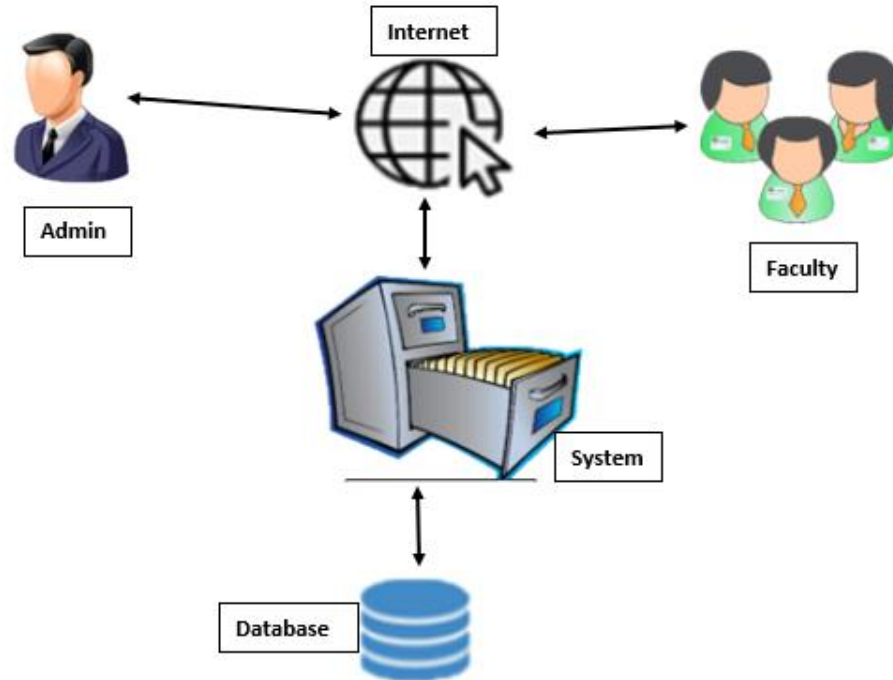
Microsoft SQL Server is a relational database control system that handle various transaction processing, business intelligence, and analytics applications in corporate IT environments. Microsoft SQL Server is one of the three market-leading database technologies, along with Oracle Database and IBM's DB2.

## **C# Preprocessor**

Although the compiler doesn't have a separate preprocessor, the directives described in this section are processed as if there were one. You use them to help in conditional compilation. Unlike C and C++ directives, you can't use these directives to create macros. A preprocessor directive must be the only instruction on a line.

## **Bootstrap**

Bootstrap is a robust front-end framework for faster and easier web development. It includes HTML and CSS-based design templates for standard user interface components like Typography, Forms, Buttons, Tables, Navigations, Dropdowns, Alerts, Modals, Tabs, Accordions, Carousels, and many others, as well as optional JavaScript extensions. Bootstrap also allows you to create a responsive layout with much less effort.



*Figure 1: The functional Architectural Diagram of the Proposed Project*

### **How the Project Work**

Figure 1 above shows the architectural layout of the proposed System, Semester, school year, activities, file category, and profile of faculty members will manage first by the administrator/department head. Using the internet, faculty can now log in to the System, upload requirements, and communicate with one another using SMS and the built-in messaging System.

The administrator will manage with a CRUD feature: the semester, School Year, Faculty, File Category, Downloadable files, and Activities with the option to broadcast via SMS or internal message. You can also view the approved and disapproved files and add notes or remarks. The teacher or a faculty member can only view files, upload with the date submitted and download downloadable files. The teacher will notify them of the requirements they need to pass and the requirements they still need to submit.



## Description of the Figure

- **Semester** - this section will hold information on the list of semesters.
- **Category** – this will hold the information about the different groups of files such as an exam, grades, etc.
- **Faculty** – this section will store the information of the department's faculty members; it includes the faculty id number, name, contact, username, and password information used to access the System.
- **Schoolyear** – this will hold information on the list of school years.
- **Files submitted** – it will store information about the file submitted by the faculty members. This section also records the submission date, and the System updates it.
- **Notification** – store information about the announcements and other important message.

## **CHAPTER IV**

### **METHODOLOGY**

#### **System Requirements**

This section presents the system requirements and modeling of the Faculty Deliverables Monitoring System with SMS Notifications. The needs and expectations of this Project are to allow faculty members to review their criteria and deliverables, such as grades, syllabuses, and learning materials, among other required documents. Faculty members and department heads can communicate more easily with one another and keep track of the needs and data supplied. The Project also includes a text message notification tool to notify faculty members about deadlines.

#### **Input**

The following are the required inputs of the System for it to function as accurately and efficiently as prescribed.

- The user must have the correct login credentials to use the System.
- The Admin must upload to the System about requirements for each faculty.
- The faculty must upload the required data within the given deadline.

#### **Process**

The following are the processes the system implements the accurate report precisely as prescribed.

- The System must authenticate the login credential provided.
- The System will provide security to protect the data uploaded to each user.

- The System must have data recovery.
- The System will automatically notify the faculty before the allocated deadline.

### **Output**

The following are the outputs the System can generate so as long as the required inputs and the processes are met and executed accordingly.

- The System will generate reports on every transaction.
- The System will have a dashboard to track, analyze, and display data.

### **Performance**

The following are the performance requirement that the System must be able to accommodate on run time.

- The System must be operational seven days a week.
- Response time is, at most, 5 seconds.
- The System must be capable of supporting 30 online users simultaneously.

### **Security and Control**

For the System to function efficiently and meet the requirement, the System must implement security measures. Thus, the following are the requirements for the System to work as effectively and efficiently as possible.

- The administrator must only add, change, or delete the faculty record. The System must maintain different levels of security for users and the system administrator.

## System Flow Chart

Flowcharts are used in analyzing, documenting, or managing a process or program in various fields. Its representation illustrates a solution model to a given problem. Shown in figure 2 are the system flowcharts for each type of use.

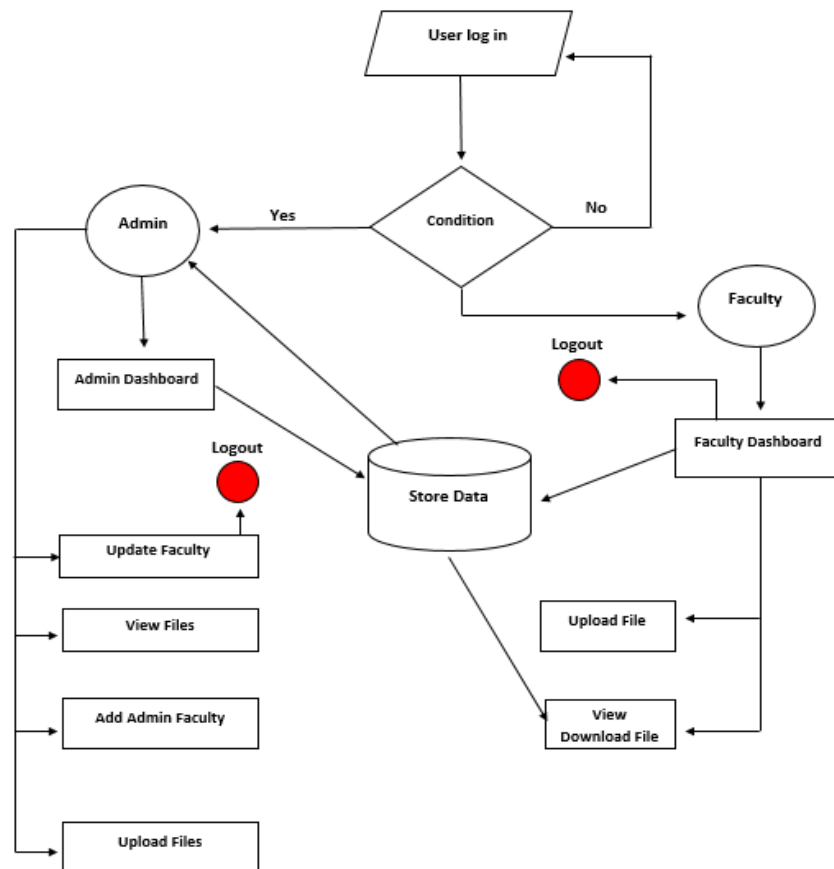
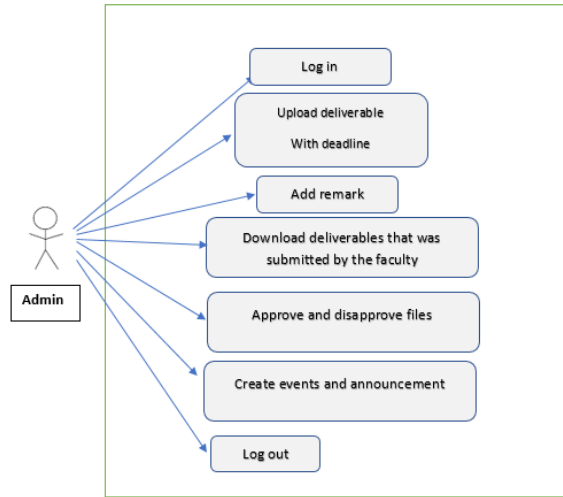


Figure 2. System Flow Chart

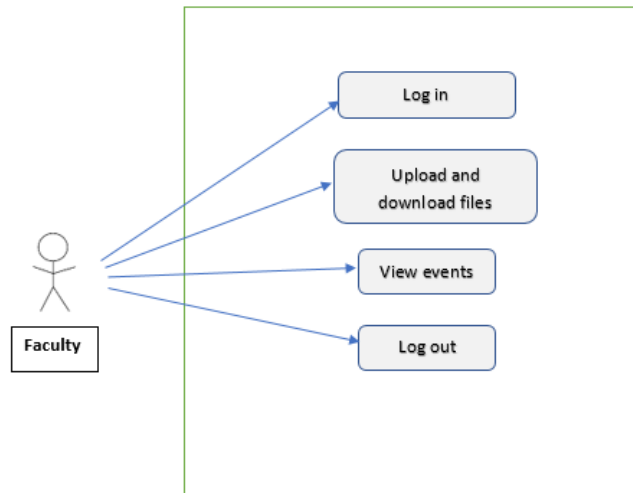
## Object Modelling

### *Use Case Diagram*

The figure below represents the visual representation of what each side of the System is capacitated to access. The figure shows the features and functionalities the Admin can perform within the context of the System.



*Figure 3. Use Case Diagram Admin*



*Figure 4. Use Case Diagram Faculty*

## **Risk Assessment/ Analysis**

During the development of the System, it has undergone specific steps to determine its weakness and strengths. In addition, the Study proponents have also selected the possible scenario and the risks that the System might be able to encounter upon realization and launch. The following table represents the risk assessment/analysis that the System has undergone.

<b>Risk Description</b>	<b>Effect</b>	<b>Risk Grading (Low, Medium, High)</b>	<b>Recovery Measure</b>
No internet connection	Inaccessible application/website	Low	Subscribe to another ISP
Server Failure	System Inaccessibility	Medium	Fail safe measure
Malware Infection	System Dysfunction	High	Install anti-virus software

## Design of the Software

This section designates the design software. It encompasses the data structure that the System is implemented within its scope of functionalities. It also depicts the System's required data and processes and stores it in its database.

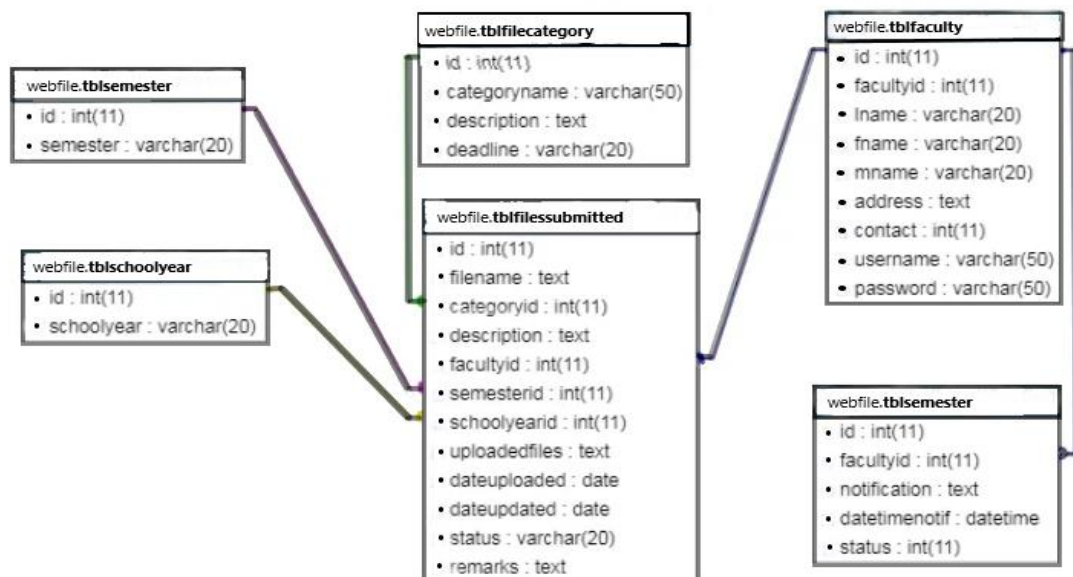


Figure 5. Database Schema of the developed system

**Table 2. Data Dictionary- tblsemester**

Column	Type	Comment
ID	Int 11	Unique ID of the current table
Semester	Varchar (20)	This will hold information in the list of semester

**Table 3. Data Dictionary –tblschoolyear**

Column	Type	Comment
ID	Int 11	Unique ID of the current table
School year	Varchar (20)	This will hold information in the list of school year

**Table 4. Data Dictionary-tblfilecategory**

Column	Type	Comment
ID	Int 11	Unique ID of the current table
Categoryname	Varchar(50)	this will hold the information category name
Description	Text	this will hold the information about the description
Deadline	Varchar(20)	this will hold the information about the deadline

**Table 5. Data Dictionary-filesubmitted**

Column	Type	Comment
ID	Int(11)	Unique ID of the current table
Filename	Varchar(20)	This will store the information of file name
Categoryid	Int (11)	This will store the information of the category
Description	Varchar(20)	This will store the description of the file
facultyid	Int (11)	This will store the description faculty ID
Semesterid	Int (11)	This will store the Semester ID
Schoolyearid	Int (11)	This will store the description school year
Uploadedfiles	Nvarchar	This will store the uploaded files
Dateuploaded	Date	This will store the date uploaded
Dateupdated	Date	This will store the date updated
Status	Varchar(20)	This will store the status
remarks	Text	This will store the remarks



**Table 6. Data Dictionary-tblfaculty**

Column	Type	Comment
ID	Int (11)	Unique ID of the current table
Facultyid	Int(11)	ID of faculty
Lname	Varchar(20)	Faculty's last name
Fname	Varchar(20)	Faculty's first name
Mname	Varchar(20)	Faculty's middle name
Address	Varchar(50)	Faculty's address
Contact	Int(11)	Faculty's contact number
Username	Varchar(50)	Faculty's username
password	Varchar(20)	Faculty's password

**Table 7. Data Dictionary-tblsemester**

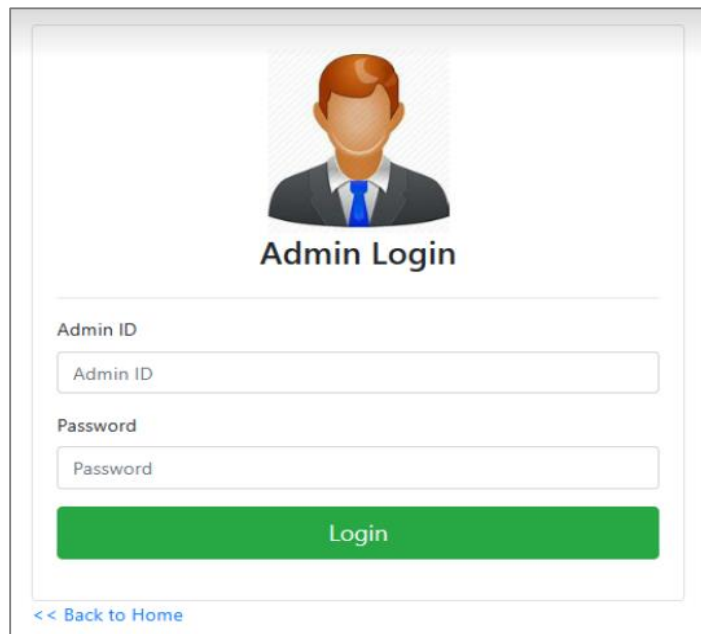
Column	Type	Comment
ID	Int(11)	Unique ID of the current table
Facultyid	Int(11)	Faculty's ID
Notification	Text	This will store the notifications
Datetimenotif	Datetime	Notification date and time
status	Int(11)	

## Design of the System

The developed System is an online web-based system that runs on web platforms using different browsers. Figures 9 and 10 are the screenshots taken from the developed System.

### *Interface Design.*

***Login of Faculty.*** This interface is the login form for the faculty, wherein this interface can already allow the user if the user is faculty or otherwise.

A screenshot of a web-based login form titled "Admin Login". At the top center is a placeholder image of a person in a suit. Below the image, the text "Admin Login" is displayed. The form contains two input fields: "Admin ID" and "Password", each with a label above it. Below these fields is a prominent green "Login" button. At the bottom left of the form, there is a blue link that says "<< Back to Home".

Admin Login

Admin ID

Admin ID

Password

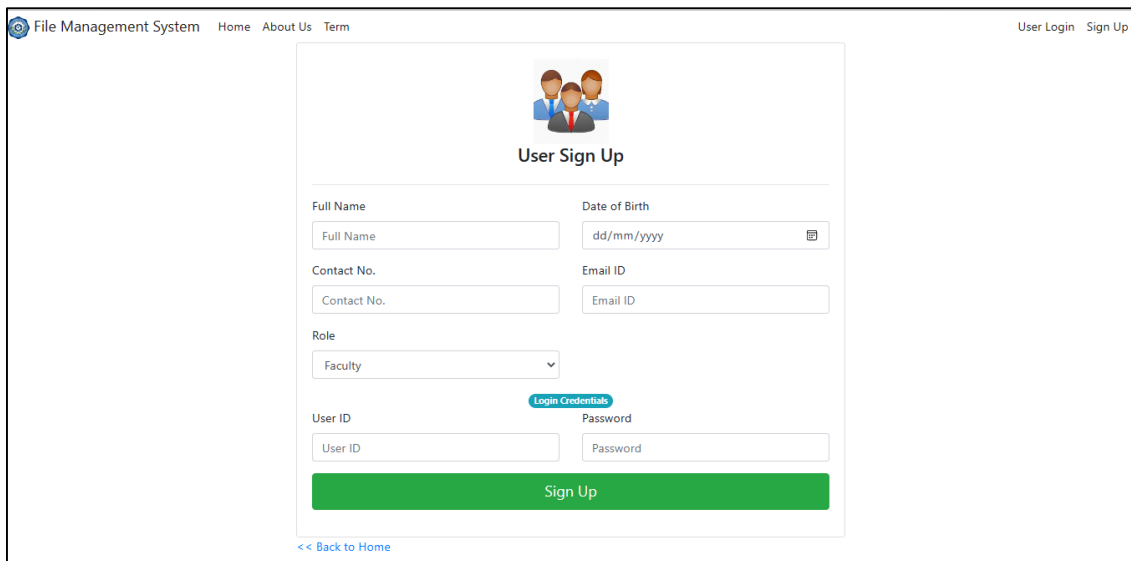
Password

Login

<< Back to Home

*Figure 5. Faculty Login Form*

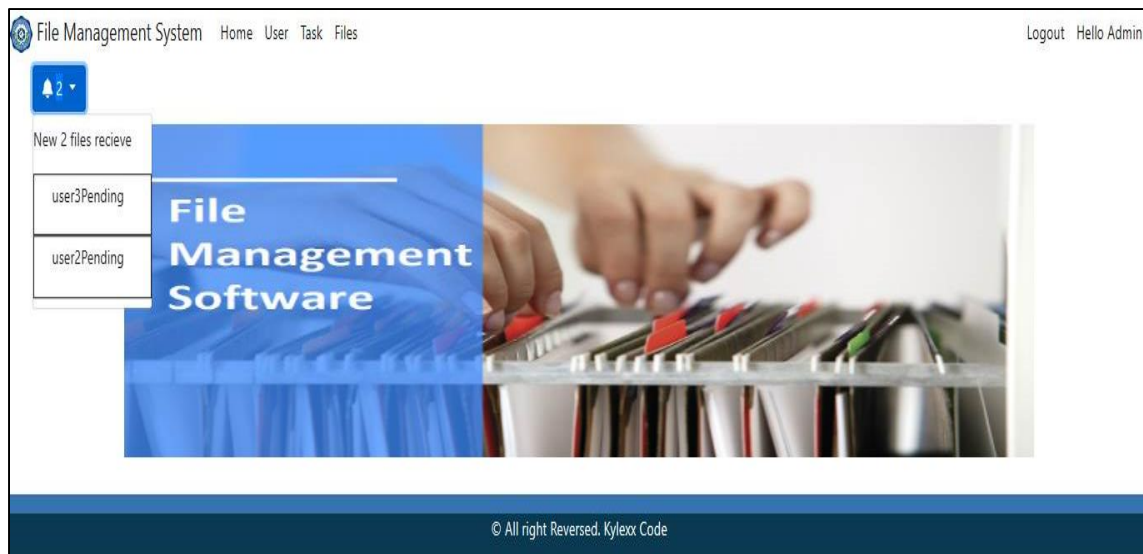
**Sign Up for Faculty.** This interface is the registration form/portal of the System; this will allow the system to sign up for faculty.



The image shows a web browser window displaying the 'User Sign Up' form for a 'File Management System'. The page has a header with 'File Management System', 'Home', 'About Us', and 'Term' on the left, and 'User Login' and 'Sign Up' on the right. The main content area is titled 'User Sign Up' with an icon of three people. Below the title, there are several input fields: 'Full Name' (text), 'Date of Birth' (calendar icon), 'Contact No.' (text), 'Email ID' (text), 'Role' (dropdown menu with 'Faculty' selected), 'User ID' (text), and 'Password' (text). A 'Login Credentials' button is located above the 'User ID' and 'Password' fields. A large green 'Sign Up' button is at the bottom of the form. A '<< Back to Home' link is at the bottom left of the page.

*Figure 6. Faculty Sign Up Form*

Figure 7 provides the system main interface.



*Figure 7. Main Interface*

**Upload File History.** Figure 8 provides the submitted files of the faculty.

**File Management System** Home User Task Files Logout Hello Admin

### Details

#  ☒

File Name  Category

Date Submitted  School Year  Semester

Submitted By:  Status ☒ ☐

[View](#)

[<< Back to Home](#)

### Faculty Submissions

Show  entries Search:

ID	Faculty Name	File Name	Category	School Year	Semester	Date Submitted	Status
1		Sample 1.docx	Learning Materials	2022-2023	1st Sem	01/16/2023 12:30:59 am	RedDisapproved
2	sample	Sample 1.docx	Grades	2022-2023	1st Sem	01/16/2023 12:45:20 am	Approved

Showing 1 to 2 of 2 entries Previous  Next

*Figure 8. Upload File History*

**Task board.** Figure 9 shows the system's task board. It provides the tasks that the faculty must complete. The system provide security to protect the data uploaded.

**File Management System** Home User Task Files Logout Hello Admin

[2](#)

### Add Task

Category  School Year  Semester

[Add Category](#)

Comment

Select Due Date

No file chosen

[Add Task](#)

[<< Back to Home](#)

### Task

Show  entries Search:

File Name	Category	School Year	Semester	Due Date	Status
Sample 1.docx	Syllabus	2022-2023	1st Sem	25/01/2023 12:00:00 am	Open

Showing 1 to 1 of 1 entries Previous  Next

*Figure 9. Task board*

**Adding Category.** Figure 10 provides the admin to add other file category. The system provide security to protect the data uploaded.

The screenshot shows the 'File Management System' dashboard. On the left is the 'Add Task' form with fields for Category, School Year, Semester, Comment, and Due Date. On the right is the 'Task' table. An 'Add Category' modal is open, showing a text input with 'sample' and 'Add'/'Cancel' buttons.

File Name	Category	School Year	Semester	Due Date	Status
sample		-2023	1st Sem	25/01/2023 12:00:00 am	Open

*Figure 10. Adding Category*

**User List.** Figure 11 shows the list of user. The system is capable of supporting 30 online users simultaneously.

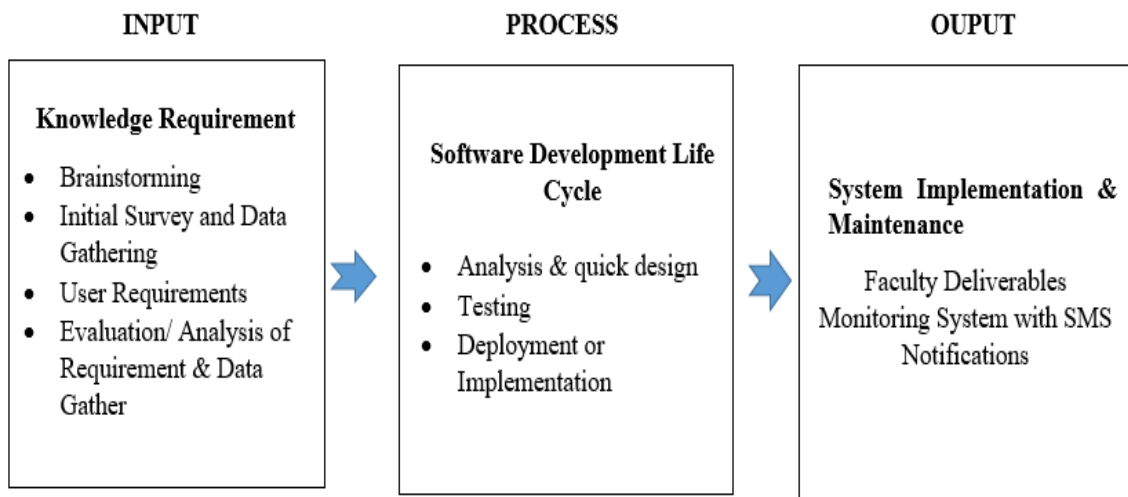
The screenshot shows the 'File Management System' dashboard. On the left is the 'Member Details' form with fields for User ID and a 'Go' button. On the right is the 'User List' table. The table has columns for Name, DOB, Contact No., Email\_ID, Role, User ID, and Password. It shows 4 entries.

Name	DOB	Contact No.	Email_ID	Role	User ID	Password
asdasn	2023-01-18	2132131	saksasnd@mail.com	Dean	dean1	dean
John Kyle Remojo	1997-05-02	09260440252	kylereemojo@gmail.com	Faculty	user2	user2
nana	2023-01-31	234234325	asdasd@dasdasd	Faculty	nana	nana
sample	2023-01-27	1644613521	sample@gmail.com	Faculty	sample	sample

*Figure 11. Faculty Data List Dashboard*

## System Process

Figure 13 shows the system process of the Faculty Deliverables Monitoring System with Notification. As we can see, the input includes brainstorming, an initial survey, and data gathering. The process consists of the analysis and quick design of the System, testing, and implementation.

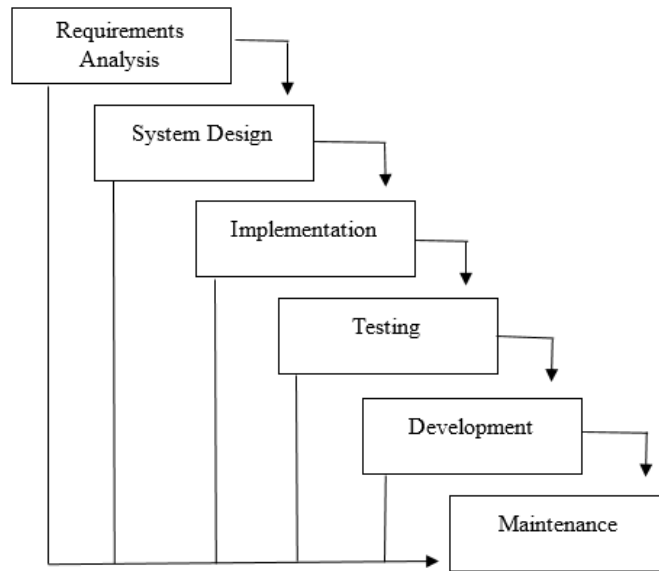


*Figure 13. IPO System Process*

## Development and Testing

### *Software and Development*

To assess the success of the System. The proponents have taken steps to determine how the System should be observed and developed accurately. Depicted below is the System Development Life Cycle to assess, gather and analyze requirements.



*Figure 14. System Life Cycle Specification*

The first step to implementing the Water Fall manner of the System Development Life Cycle was to assess, gather and analyze the requirements. System design includes the creation of prototype and lay-outing, which covers the arrangement of buttons, panels, and some other components of the System. In the implementation, the System applied the requirements and system design to the implementation phase. After the performance was the testing of the System, wherein the weaknesses and bugs were addressed and catered to accordingly. The next step was to deploy the System based on the nurtured nature of the

System. And for the System to succeed, it should maintain possible bugs, errors, and failures that come after were and should be addressed accordingly.

## Hardware Specification

Table 8 represents the hardware specification of the System for it to achieve its purpose.

Table 8. Hardware Specification

Hardware	Description/ Specification
<p>The Main Server Computer (Preferably with Pentium Dual Core processor) equipped with:</p> <ul style="list-style-type: none"> <li>• 500 GB Hard drive</li> <li>• Windows 7 OS (64BIT)</li> <li>• 4GB RAM</li> <li>• 2GB VGA</li> <li>• Internet Connection</li> </ul> <p>Each personal computer (preferably with Celeron or Pentium 4 processor) equipped with:</p> <ul style="list-style-type: none"> <li>• At least 160 GB Hard Drive</li> <li>• At least 1 GB RAM</li> <li>• LAN Card</li> <li>• Internet Connection with minimum speed = 384kbps</li> </ul>	<p>The back-end user is recommended to use the suggested hardware specification and operating system to obtain system efficiency and reliability.</p> <p>The users are recommended to use the suggested hardware specification to obtain system efficiently and reliability</p>



Table 9 depicts the software specification required to access the System at total capacity and functionality.

Table 9. Software Specification

Software	Description/ Specifications
Application and Software <ul style="list-style-type: none"><li>• Visual Studio C#</li><li>• Microsoft SQL Server</li><li>• HTML</li></ul>	These software tools are used to develop the design and screen forms as well as the database and server of the proposed system to come up with a good and high quality product

## Testing

System tested the designed Faculty Deliverables Monitoring System with SMS Notification after development. To make sure the System works as intended, System did unit testing. Various browsers, including Google Chrome, Microsoft Edge, Mozilla Firefox, and UC Browser, were tested for compatibility with the web-based System on both Windows and mobile devices. The System did not evaluate the System's compatibility with other operating systems. Additionally, system testing was done using target clients as evaluators.

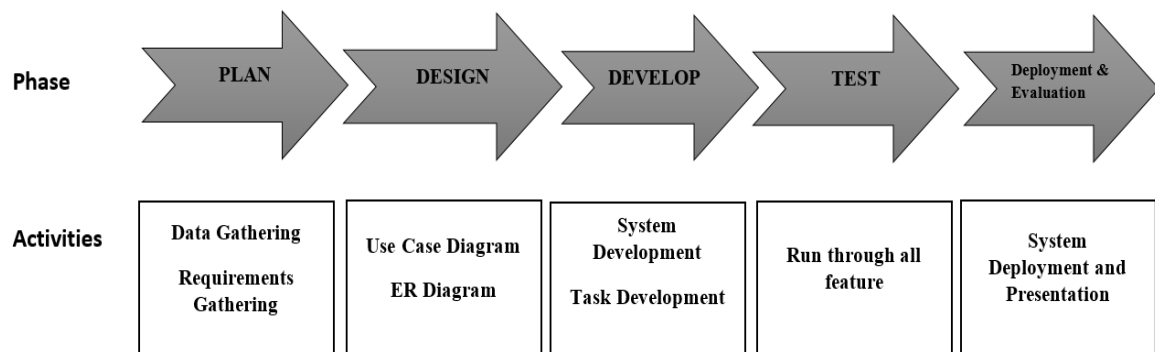
## Description of the System

Faculty Deliverables Monitoring System with Notification Feature is an educational work tool specifically to be designed and developed for Southern Leyte State University- Main Campus is a reliable and efficient system that improves the existing operations of the

educational institution. The proposed software shall store and manage files, speed up the data retrieval response time, and provide an electronic database to secure important files.

## Implementation Plan

Figure 13 represents the implementation plan the proponent conducted during the development of the Project. It encompasses the System's phases to accomplish and meet its objective(s).



*Figure 15. Implementation Plan*

## Implementation Result

The upper mentioned implementation plan phases and activities it has garnered an unexpected turn of events. It is more likely that the proponents couldn't preemptively assess the factors that would result in an unexpected turn.

In the planning phase of the System, the data gathered differed from what was expected. It took the proponents a while to comprehend how to conceptualize a process that would be effective for the Faculty Deliverables Monitoring System with Notification.

After gathering the requirements and the intended data, the proponents created a use case diagram for each user type, the Admin, and the faculty.

Then after the designing phase of the implementation plan, the proponents proceeded to the development of the System, wherein the task was divided among members of the group to work on, and each system module and the feature was structured to better work for the team's intended outcome and meet the objective of the Study.

In the testing phase, the System tested all features, reports, inputs, and outputs. In a way, System tested all the upper-mentioned aspects of the System chronologically. As such, it here on out that the System needed an l refactoring of code and restructuring its process.

Lastly, In the deployment of the System, supposedly, The System was already prepped for user access, which was already checked and, as such. The success of the System relies on client feedback.

Table 9 is the result of the evaluation using ISO 25010. Frequency, mean, and modal interpretation are used in the treatment of data using the corresponding Likert Scale provided b Table 9 is the result of the evaluation using the ISO 25010. Frequency, mean, and modal interpretation are used in the treatment of data using the corresponding Likert Scale provided below.

Table 9. Faculty Deliverables Monitoring System with Notification Feature

<b>Criteria</b>	<b>Mean</b>	<b>Interpretation</b>
<b>Functionality</b>		
The system performs the tasks required.	2.2	Slightly Functional
The result is as expected.	2.2	Slightly Functional
The system interacts with another system.	2.8	Functional
The system prevents unauthorized access.	2.8	Functional
<b>Reliability</b>		
Most of the faults in the system have been eliminated over time.	2.8	Reliable
The system is capable of handling errors.	3.2	Reliable
The system notifies the user about wrong data entry.	3.2	Reliable
The software resumes working and restores lost data after a failure.	3	Reliable
<b>Usability</b>		
The user comprehends how to use the system easily.	2.8	Usable
The user learns to use the system easily.	2.8	Usable
The user utilizes the system without much effort.	2.8	Usable
The system's interface looks good.	3	Usable
<b>Efficiency</b>		
The system responds quickly to the user.	3	Efficient
The system's execution time is appropriate.	3	Efficient
The software utilizes resources efficiently.	3.2	Efficient
<b>Maintainability</b>		
The system faults can be easily diagnosed.	3.4	Mostly Efficient

The system continues functioning when changes are made.	3	Efficient
The software can be tested easily.	3.2	Efficient
<b>Portability</b>		
The system can be moved to other environments.	3.4	Mostly Agree
The software can be installed easily. ( <i>for administrator</i> )	3.4	Mostly Agree
The software can replace easily other software. ( <i>for administrator</i> )	3.2	Agree
<b>Security</b>		
The software ensures confidentiality of data	3	Secure
The software prevents unauthorized access and modification to computer programs and/or data	3	Secure
The software requires authentication of users	3.2	Slightly Secure
A system log is maintained.	3.2	Functional
<b>Compatibility</b>		
The software performs its required functions efficiently while sharing a common environment and resources without negatively impacting any other product/s.	3	Compatible
The software allows two or more systems, products, or components to exchange and use the information.	3	Compatible

For the functionality, most of the evaluators answered two means that the system is slightly functional. Also, the system can prevent unauthorized access. The developer must need improvement to meet this requirement. Generally, in the functionality of the system was functional.

For reliability, the majority of evaluators answered 3 for the software that resumes working and restores lost data entry. The system was capable of handling errors, and the system's reliability was reliable

For usability the majority of evaluators answered for the user comprehension of the system. The system is user-friendly interface and easy to learn for the users. The users can utilize the system without much effort. Lastly, the system was usable.

The efficiency of the system was manageable. The system's execution will respond quickly to the user. Also, the software utilizes the resources efficiently. Generally, inefficiency, the system was efficient.

The majority of the evaluators answered 3 for maintainability. The maintainability of the system depends on what changes we make. The difficulty changes will be harder if the developer cannot test the software's faults. The evaluator's rating in maintainability was high because the software could easily be tested. The evaluator's result agreed with the system's maintainability.

The Gender and Development Project Monitoring system, could be used instantly and installed easily. The system was portable, and it could be moved to other environments, such as schools or the office, since it is online. The evaluators answered agreed with the system's portability.

Most of the evaluators answered 3 in security, meaning that the system must secure the confidentiality of the data. The security ensures that no third party or unauthorized can access the system.

## **CHAPTER V**

### **RECOMMENDATIONS**

Based on the outcomes of the implementation and assessment, the following suggestions are made:

1. By encrypting the data on its database server, the System may better safeguard sensitive data, protect confidential details and increase the security of interaction between the client and server. In essence, information that has been encrypted prevents access by unauthorized parties and ensures that they cannot read it.
2. Design a responsive mobile device view of the System to provide a better interaction with the users when visiting the site through smartphone browsers.
3. Adding a notification feature via SMS to the System will help the end-users be notified offline with their respective dues completed.
4. Expand our Study's locale to those campuses or, better yet, the company that relates to our Capstone project. In addition, using this kind of System will improve their comfort zone by monitoring their deliverables online.

## Bibliography

Albacite, G., Macua, D. R., Diolata, A. J., & Sobejana, N. (2018).

Android-based File Management System. *Available at SSRN 3780535*.

Cao, L., Qiu, J., Zha, L., Yu, H., Li, W., & Sun, Y. (2004, October).

Design and implementation of grid file management system hotfile. In *International Conference on Grid and Cooperative Computing* (pp. 129-136). Springer, Berlin, Heidelberg.

Griffioen, J., Anderson, T. A., & Breitbart, Y. (1997, April).

A dynamic migration algorithm for a distributed memory-based file management system. In *Proceedings Seventh International Workshop on Research Issues in Data Engineering. High Performance Database Management for Large-Scale Applications* (pp. 151-160). IEEE.

Guan, Y., Shi, W., & Wu, D. (2012, March).

The design and development of a school file management system for standardized. In *2012 International Conference on Computer Science and Electronics Engineering* (Vol. 2, pp. 630-634). IEEE.

Nitithamyong, P., & Skibniewski, M. J. (2004).

Web-based construction project management systems: how to make them successful. *Automation in construction*, 13(4), 491-506.

Ramakrishnan, R., Gehrke, J., & Gehrke, J. (2003).

*Database management systems* (Vol.3). New York: McGraw-Hill.

Ramasamy, R. K., & Chua, F. F. (2012).

Queue Management Optimization with Short Message System (SMS) Notification.



In *Proceedings of International Conference on Economics, Business Innovation (IPEDR 38)*. Singapore (pp. 49-53).

Saaksvuori, A., & Immonen, A. (2008).

*Product lifecycle management systems* (pp. 27 44)Springer Berlin Heidelberg.

Samonte, M. J.C., Mullen, R, C. D., Endaya, S.C.M.B., & P.C.T. (2018, August).

Development of Online Hospital Document Management with SMS Notification System. In *Proceedings of the 2nd International conference on E-Society, E-Education and E-Technology* (pp. 150-154).

Tejesh, B. S. S., & Neeraja, S. J. A. E. J. (2018).

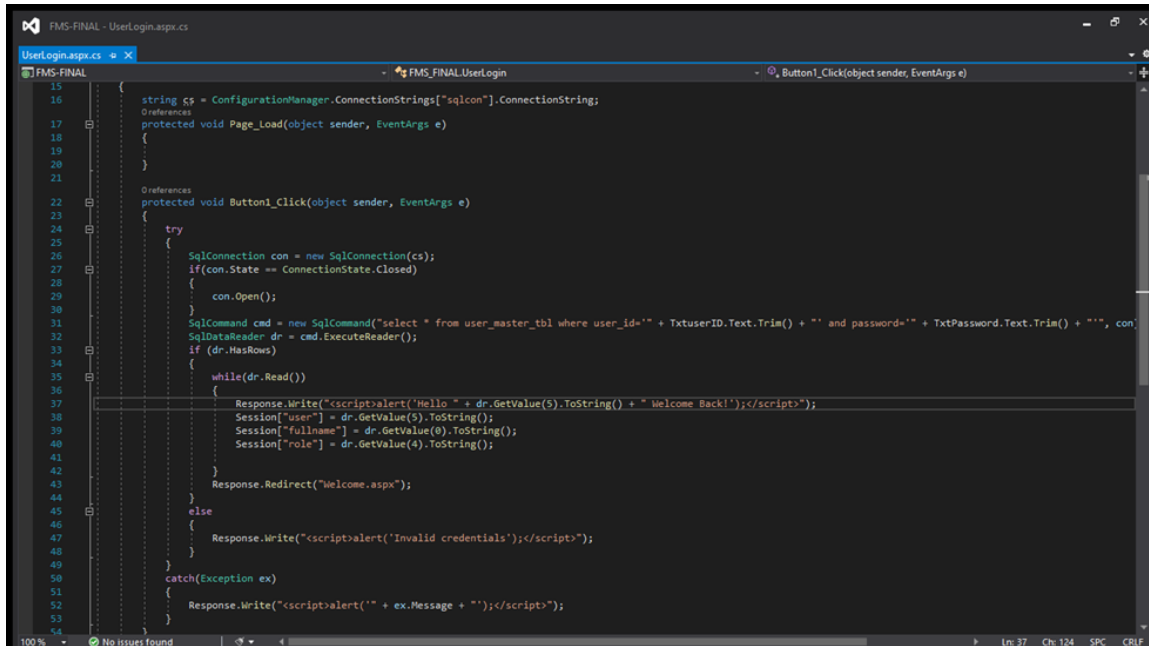
Warehouse inventory management system using IoT and open source framework. *Alexandria engineering journal*, 57(4), 3817-3823.

## APPENDICES

### APPENDIX A

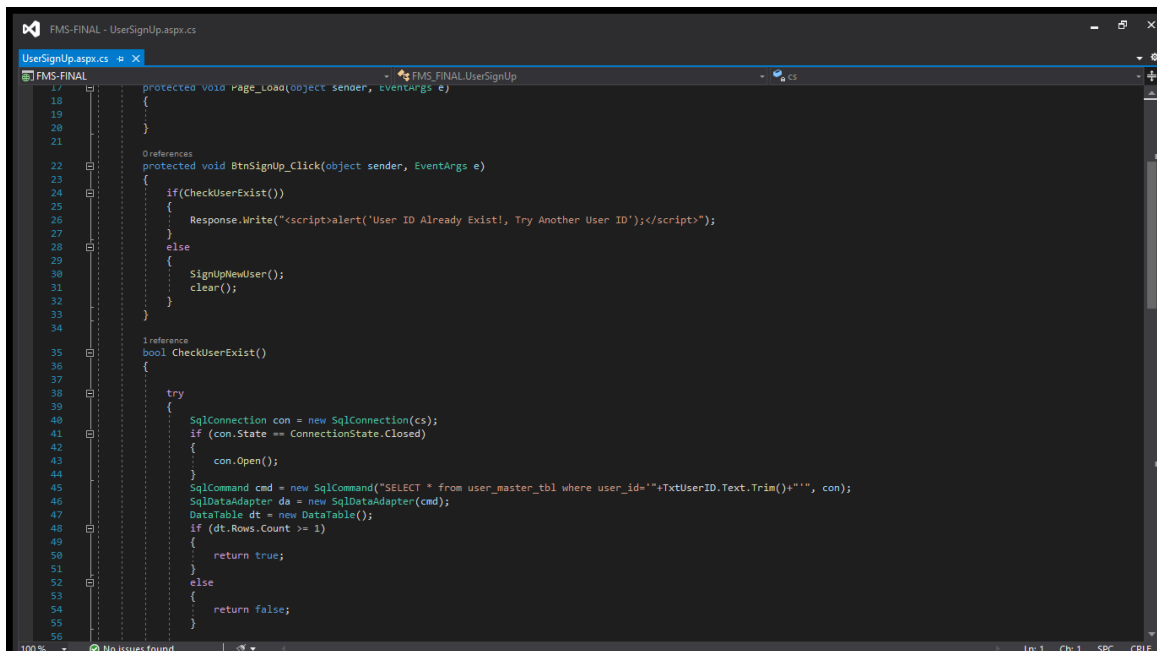
#### Relevant Source Code

##### Back End



```
15
16
17 string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
18
19 protected void Page_Load(object sender, EventArgs e)
20 {
21 }
22
23
24 protected void Button1_Click(object sender, EventArgs e)
25 {
26     try
27     {
28         SqlConnection con = new SqlConnection(cs);
29         if(con.State == ConnectionState.Closed)
30         {
31             con.Open();
32         }
33         SqlCommand cmd = new SqlCommand("select * from user_master_tbl where user_id='"+ TxtUserID.Text.Trim() + "' and password='"+ TxtPassword.Text.Trim() + "'", con);
34         SqlDataReader dr = cmd.ExecuteReader();
35         if (dr.HasRows)
36         {
37             while(dr.Read())
38             {
39                 Response.Write("<script>alert('Hello " + dr.GetValue(5).ToString() + " Welcome Back!');</script>");
40                 Session["user"] = dr.GetValue(5).ToString();
41                 Session["fullname"] = dr.GetValue(0).ToString();
42                 Session["role"] = dr.GetValue(4).ToString();
43             }
44             Response.Redirect("Welcome.aspx");
45         }
46         else
47         {
48             Response.Write("<script>alert('Invalid credentials');</script>");
49         }
50     }
51     catch(Exception ex)
52     {
53         Response.Write("<script>alert('" + ex.Message + "');</script>");
54     }
55 }
```

##### User Sign Up



```
17
18 protected void Page_Load(object sender, EventArgs e)
19 {
20 }
21
22
23 protected void BtnSignUp_Click(object sender, EventArgs e)
24 {
25     if(CheckUserExist())
26     {
27         Response.Write("<script>alert('User ID Already Exist!, Try Another User ID');</script>");
28     }
29     else
30     {
31         SignUpNewUser();
32         clear();
33     }
34 }
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FMS-FINAL - UserSignUp.aspx.cs
UserSignUp.aspx.cs
FMS-FINAL
FMS_FINAL\UserSignUp
SignUpNewUser()

61         return false;
62     }
63 }
64
65
66
67 reference
68 void SignUpNewUser()
69 {
70     try
71     {
72         SqlConnection con = new SqlConnection(cs);
73         if (con.State == ConnectionState.Closed)
74         {
75             con.Open();
76         }
77         SqlCommand cmd = new SqlCommand("INSERT INTO user_master tbl" +
78             " (fullname,dob,contact,email_id,user_role,user_id,password)" +
79             " values(@fullname,@dob,@contact,@email_id,@user_role,@user_id,@password)", con);
80
81         cmd.Parameters.AddWithValue("@fullname", Txtname.Text.Trim());
82         cmd.Parameters.AddWithValue("@dob", TxtDOB.Text.Trim());
83         cmd.Parameters.AddWithValue("@contact", Txtnumber.Text.Trim());
84         cmd.Parameters.AddWithValue("@email_id", Txtemail.Text.Trim());
85         cmd.Parameters.AddWithValue("@user_role", DropDownList1.SelectedItem.Value);
86         cmd.Parameters.AddWithValue("@user_id", TxtUserID.Text.Trim());
87         cmd.Parameters.AddWithValue("@password", Txtpassword.Text.Trim());
88
89         cmd.ExecuteNonQuery();
90         Response.Write("<script>alert('User Added successful');</script>");
91         clear();
92     }
93     catch (Exception ex)
94     {
95         Response.Write("<script>alert('" + ex.Message + "')</script>");
96     }
97 }
98
99 2 references
100 void clear()
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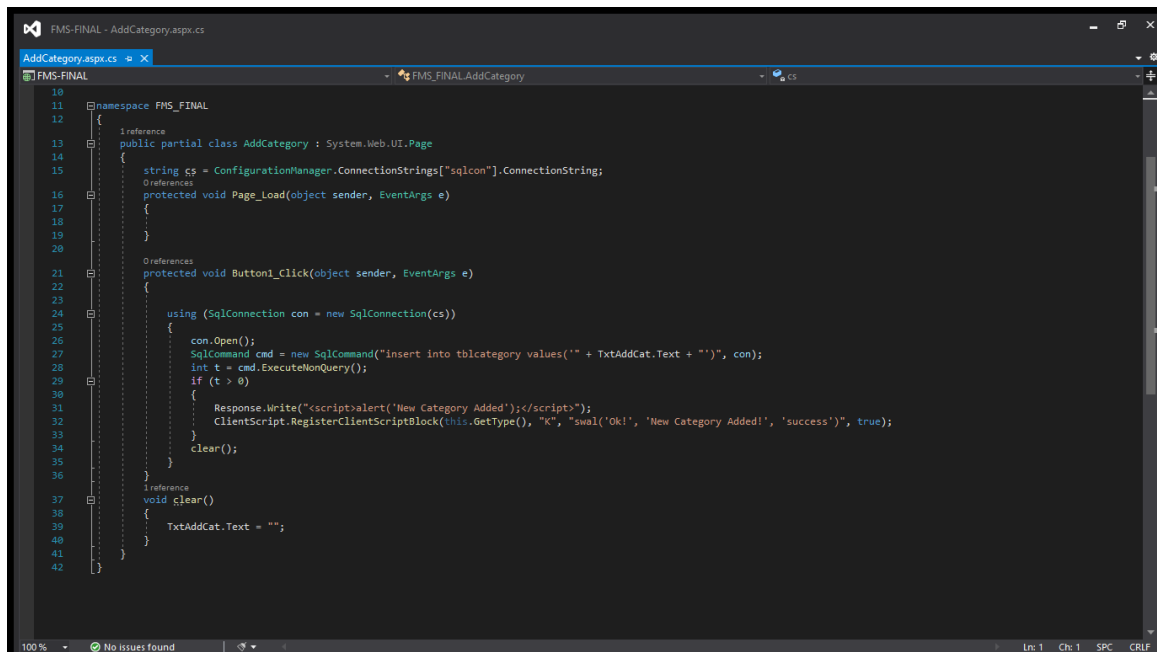
The screenshot displays a Visual Studio Code editor window with a C# file named 'Dashboard.aspx.cs'. The code is for a web page that connects to a database, executes a query, and displays the results in a table. The code includes comments for configuration and references. The status bar at the bottom shows '100%' zoom and 'No issues found'.

```

15  {
16      string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
17      int count = 0;
18      //References
19      protected void Page_Load(object sender, EventArgs e)
20      {
21          using (SqlConnection con = new SqlConnection(cs))
22          {
23              if (con.State == ConnectionState.Open)
24              {
25                  con.Close();
26              }
27              con.Open();
28
29              SqlCommand cmd = con.CreateCommand();
30              cmd.CommandType = CommandType.Text;
31              cmd.CommandText = "select * from SubFile_master_tbl where SubFileStatus='pending'";
32              cmd.ExecuteNonQuery();
33              DataTable dt = new DataTable();
34              SqlDataAdapter da = new SqlDataAdapter(cmd);
35              da.Fill(dt);
36              count = Convert.ToInt32(dt.Rows.Count.ToString());
37              Label1.Notification.Text = count.ToString();
38              Label2.Text = count.ToString();
39              Repeater1.DataSource = dt;
40              Repeater1.DataBind();
41          }
42      }
43      //References
44      public string gettwenycharacter(object myvalues)
45      {
46          string a;
47          a = Convert.ToString(myvalues.ToString());
48          string b = "";
49
50          if (a.Length>=15)
51          {
52              b = a.Substring(0,15);
53              return b.ToString() + "...";
54          }
55      }
56  }

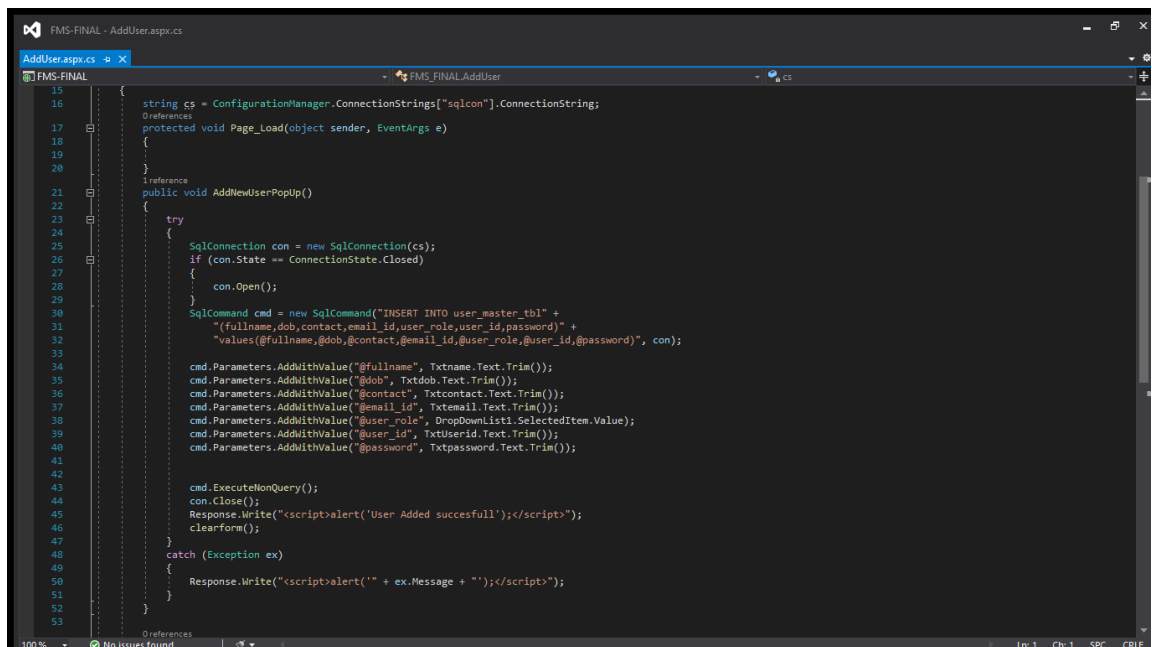
```

## Adding Category



```
10 namespace FMS_FINAL
11 {
12     1 reference
13     public partial class AddCategory : System.Web.UI.Page
14     {
15         string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
16         0 references
17         protected void Page_Load(object sender, EventArgs e)
18         {
19         }
20
21         0 references
22         protected void Button1_Click(object sender, EventArgs e)
23         {
24             using (SqlConnection con = new SqlConnection(cs))
25             {
26                 con.Open();
27                 SqlCommand cmd = new SqlCommand("insert into tblcategory values('" + TxtAddCat.Text + "')", con);
28                 int t = cmd.ExecuteNonQuery();
29                 if (t > 0)
30                 {
31                     Response.Write("<script>alert('New Category Added!');</script>");
32                     ClientScript.RegisterClientScriptBlock(this.GetType(), "K", "swal('Ok!', 'New Category Added!', 'success')", true);
33                 }
34                 clear();
35             }
36
37             1 reference
38             void clear()
39             {
40                 TxtAddCat.Text = "";
41             }
42     }
43 }
```

## Adding User



```
15 {
16     string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
17     protected void Page_Load(object sender, EventArgs e)
18     {
19     }
20
21     1 reference
22     public void AddNewUserPopUp()
23     {
24         try
25         {
26             SqlConnection con = new SqlConnection(cs);
27             if (con.State == ConnectionState.Closed)
28             {
29                 con.Open();
30             }
31             SqlCommand cmd = new SqlCommand("INSERT INTO user_master_tbl" +
32             "(fullname,dob,contact,email_id,user_role,user_id,password)" +
33             "values(@fullname,@dob,@contact,@email_id,@user_role,@user_id,@password)", con);
34
35             cmd.Parameters.AddWithValue("@fullname", Txtname.Text.Trim());
36             cmd.Parameters.AddWithValue("@dob", Txtdob.Text.Trim());
37             cmd.Parameters.AddWithValue("@contact", Txtcontact.Text.Trim());
38             cmd.Parameters.AddWithValue("@email_id", Txtemail.Text.Trim());
39             cmd.Parameters.AddWithValue("@user_role", DropDownList1.SelectedItem.Value);
40             cmd.Parameters.AddWithValue("@user_id", TxtUserId.Text.Trim());
41             cmd.Parameters.AddWithValue("@password", Txtpassword.Text.Trim());
42
43             cmd.ExecuteNonQuery();
44             con.Close();
45             Response.Write("<script>alert('User Added successful');</script>");
46             clearform();
47         }
48         catch (Exception ex)
49         {
50             Response.Write("<script>alert('" + ex.Message + "');</script>");
51         }
52     }
53 }
```

## Adding Task

```
FMS-FINAL - Task.aspx.cs
Task.aspx.cs
FMS-FINAL
13 {
14     References
15     public partial class Task : System.Web.UI.Page
16     {
17         string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
18         SqlCommand cmd;
19         SqlDataAdapter da;
20         public string[] status = { "Open", "Submitted" };
21         int count = 0;
22         References
23         protected void Page_Load(object sender, EventArgs e)
24         {
25             if (!IsPostBack)
26             {
27                 BindDataIntoDropDownCategory();
28                 lblmsg.Text = string.Empty;
29                 GVBind();
30             }
31             using (SqlConnection con = new SqlConnection(cs))
32             {
33                 if (con.State == ConnectionState.Open)
34                 {
35                     con.Close();
36                 }
37                 con.Open();
38                 SqlCommand cmd = con.CreateCommand();
39                 cmd.CommandType = CommandType.Text;
40                 cmd.CommandText = "select * from SubFile_master_tbl where SubFileStatus='pending'";
41                 cmd.ExecuteNonQuery();
42                 DataTable dt = new DataTable();
43                 SqlDataAdapter da = new SqlDataAdapter(cmd);
44                 da.Fill(dt);
45                 count = Convert.ToInt32(dt.Rows.Count.ToString());
46                 Label1.Notification.Text = count.ToString();
47                 LabelFiles.Text = count.ToString();
48                 Repeater1.DataSource = dt;
49                 Repeater1.DataBind();
50             }
51         }
52     }
53 }
```

```
FMS-FINAL - Task.aspx.cs
Task.aspx.cs
FMS-FINAL
54 private void BindDataIntoDropDownCategory()
55 {
56     using (SqlConnection con = new SqlConnection(cs))
57     {
58         con.Open();
59         cmd = new SqlCommand("select * from tblcategory order By CatId desc", con);
60         var ds = new DataSet();
61         da = new SqlDataAdapter(cmd);
62         da.Fill(ds);
63         DdlCategory.DataSource = ds;
64         DdlCategory.DataTextField = "category";
65         DdlCategory.DataValueField = "CatId";
66         DdlCategory.DataBind();
67         DdlCategory.Items.Insert(0, "--select--");
68     }
69     References
70     protected void Button1_Click(object sender, EventArgs e)
71     {
72         if (FileUpload1.HasFiles)
73         {
74             try
75             {
76                 string ext = Path.GetExtension(FileUpload1.FileName);
77                 if (ext == ".pdf" || ext == ".doc" || ext == ".docx" || ext == ".xls" || ext == ".xlsx")
78                 {
79                     string fname = Path.GetFileName(FileUpload1.FileName);
80                     //string fdate = DateTime.Now.ToString("MM/dd/yyyy hh:mm:ss tt");
81                     FileUpload1.SaveAs(Server.MapPath("Taskupload/") + fname);
82                     using (SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString))
83                     {
84                         con.Open();
85                         SqlCommand cmd = new SqlCommand("insert into task_master_tbl values('' + FileUpload1.FileName + '', '' + DdlCategory.SelectedItem.Text + '', '' + DdlSy
86                         int t = cmd.ExecuteNonQuery();
87                         if (t > 0)
88                         {
89                             ClientScript.RegisterClientScriptBlock(this.GetType(), "K", "swal('Great!', 'Task has been sent!', 'success', true);
90                         }
91                     }
92                 }
93             }
94             catch { }
95         }
96     }
97 }
```

```

FMS-FINAL - Task.aspx.cs
Task.aspx.cs
FMS-FINAL
FMS-FINAL.Task
Button1_Click(object sender, EventArgs e)
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124

SqlCommand cmd = new SqlCommand("insert into task_master_tbl values('" + FileUpload1.FileName + "','" + DdlCategory.SelectedItem.Text + "','" + DdlSy
int t = cmd.ExecuteNonQuery();
if (t > 0)
{
    ClientScript.RegisterClientScriptBlock(this.GetType(), "K", "swal('Great!', 'Task has been sent!', 'success')", true);
}
}
else
{
    lblmsg.Text = "File extension with: .pdf .docx .doc .xlsx .xlx are only accepted !";
    lblmsg.ForeColor = System.Drawing.Color.Red;
}
}
catch (Exception ex)
{
    lblmsg.Text = ex.Message;
    lblmsg.ForeColor = System.Drawing.Color.Red;
}
else
{
    lblmsg.Text = "Please select a file to upload.";
    lblmsg.ForeColor = System.Drawing.Color.Red;
}
}

2 references
public void GridView1()
{
    using (SqlConnection con = new SqlConnection(cs))
    {
        con.Open();
        cmd = new SqlCommand("select * from task_master_tbl", con);
        SqlDataReader dr = cmd.ExecuteReader();
        if (dr.HasRows == true)
        {
            GridView1.DataSource = dr;
            GridView1.DataBind();
        }
    }
}

```

## File Monitoring Sent by Faculty

```

FMS-FINAL - Files.aspx.cs
Files.aspx.cs
FMS-FINAL
FMS-FINAL.Files
cs
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54

string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
public string[] status = { "Pending", "Approved", "Disapproved" };
int count = 0;
protected void Page_Load(object sender, EventArgs e)
{
    GridView1();
    Hide();
    using (SqlConnection con = new SqlConnection(cs))
    {
        if (con.State == ConnectionState.Open)
        {
            con.Close();
        }
        con.Open();

        SqlCommand cmd = con.CreateCommand();
        cmd.CommandType = CommandType.Text;
        cmd.CommandText = "select * from SubFile_master_tbl where SubFileStatus='pending'";
        cmd.ExecuteNonQuery();
        DataTable dt = new DataTable();
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        count = Convert.ToInt32(dt.Rows.Count.ToString());
        Label1Notification.Text = count.ToString();

        LabelFiles.Text = count.ToString();
        Repeater1.DataSource = dt;
        Repeater1.DataBind();
    }
}

2 references
protected void GridView1()
{
    using (SqlConnection con = new SqlConnection(cs))
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from SubFile_master_tbl", con);
        SqlDataReader dr = cmd.ExecuteReader();
        if (dr.HasRows == true)
        {

```

```
FMS-FINAL - Files.aspx.cs
Files.aspx.cs
FMS-FINAL
FMS_FINALFiles
cs

59
60
61
62 void GetFileData()
63 {
64     try
65     {
66         SqlConnection con = new SqlConnection(cs);
67         if (con.State == ConnectionState.Closed)
68         {
69             con.Open();
70         }
71
72         SqlCommand cmd = new SqlCommand("SELECT * from SubFile_master_tbl where SubTaskID='" + TextBoxFileID.Text.Trim() + "'", con);
73         SqlDataAdapter da = new SqlDataAdapter(cmd);
74         DataTable dt = new DataTable();
75         da.Fill(dt);
76
77         if (dt.Rows.Count >= 1)
78         {
79             TxtSender.Text = dt.Rows[0][7].ToString();
80             TxtCategory.Text = dt.Rows[0][2].ToString();
81             TxtSy.Text = dt.Rows[0][3].ToString();
82             TxtDate.Text = dt.Rows[0][5].ToString();
83             TxtFilename.Text = dt.Rows[0][1].ToString();
84             TxtSemester.Text = dt.Rows[0][4].ToString();
85             TextBoxStatus.Text = dt.Rows[0][6].ToString();
86
87             ShhShowHide();
88         }
89         else
90         {
91             ClientScript.RegisterClientScriptBlock(this.GetType(), "K", "swal('00psssl', 'File ID is not on the List!', 'error')", true);
92         }
93     }
94     catch (Exception ex)
95     {
96         Response.Write("<script>alert('" + ex.Message + "');</script>");
97     }
98 }
```

## Faculty Submission

```
FMS-FINAL - Submission.aspx.cs
Submission.aspx.cs
FMS-FINAL
FMS_FINALSubmission
cs

15
16 string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
17 SqlCommand cmd;
18 SqlDataAdapter da;
19 Files fstatus = new Files();
20 Task fstatus = new Task();
21
22 protected void Page_Load(object sender, EventArgs e)
23 {
24     if (!IsPostBack)
25     {
26         BindDataIntoDropDownCategory();
27         GVbind();
28     }
29 }
30
31 protected void GVbind()
32 {
33     //DataTable dt = new DataTable();
34     using (SqlConnection con = new SqlConnection(cs))
35     {
36         con.Open();
37         SqlCommand cmd = new SqlCommand("select * from task_master_tbl", con);
38         SqlDataReader dr = cmd.ExecuteReader();
39         if (dr.HasRows == true)
40         {
41             GridView1.DataSource = dr;
42             GridView1.DataBind();
43         }
44     }
45 }
46
47 private void BindDataIntoDropDownCategory()
48 {
49     using (SqlConnection con = new SqlConnection(cs))
50     {
51         con.Open();
52         cmd = new SqlCommand("select * from tblcategory order By Catid desc", con);
53         var ds = new DataSet();
54         da = new SqlDataAdapter(cmd);
55         da.Fill(ds);
56     }
57 }
```





```
FMS-FINAL - ViewSubmission.aspx.cs
ViewSubmission.aspx.cs
FMS-FINAL
FMS_FINALViewSubmission
LoadCountPending()
41
42
43 reference
44 public void LoadCountPending()
45 {
46     try
47     {
48         string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
49         using (SqlConnection con = new SqlConnection(cs))
50         {
51             con.Open();
52             SqlCommand cmd = new SqlCommand("select count(SubFileStatus)from SubFile_master_tbl where SubFilestatus='" + status.status[0] + "'", con);
53             var count = cmd.ExecuteScalar();
54             LabelCountPending.Text = count.ToString();
55             con.Close();
56         }
57     }
58     catch (Exception ex)
59     {
60         LabelCountPending.Text = ex.Message.ToString();
61     }
62 reference
63 public void LoadCountApproved()
64 {
65     try
66     {
67         string cs = ConfigurationManager.ConnectionStrings["sqlcon"].ConnectionString;
68         using (SqlConnection con = new SqlConnection(cs))
69         {
70             con.Open();
71             SqlCommand cmd = new SqlCommand("select count(SubFileStatus)from SubFile_master_tbl where SubFilestatus='" + status.status[1] + "'", con);
72             var count = cmd.ExecuteScalar();
73             LabelCountApproved.Text = count.ToString();
74             con.Close();
75         }
76     }
77     catch (Exception ex)
78     {
79         LabelCountApproved.Text = ex.Message.ToString();
80     }
81 }
100% No Issues Found Ln: 57 Ch: 33 SPC CRLF
```

## Notification

```
FMS-FINAL - Dashboard.aspx.cs
Dashboard.aspx.cs
FMS-FINAL
FMS_FINALDashboard
cs
23
24 {
25     con.Close();
26 }
27 con.Open();
28
29 SqlCommand cmd = con.CreateCommand();
30 cmd.CommandType = CommandType.Text;
31 cmd.CommandText = "select * from SubFile_master_tbl where SubFileStatus='pending'";
32 cmd.ExecuteNonQuery();
33 DataTable dt = new DataTable();
34 SqlDataAdapter da = new SqlDataAdapter(cmd);
35 da.Fill(dt);
36 count = Convert.ToInt32(dt.Rows.Count.ToString());
37 Label1Notification.Text = count.ToString();
38 Label2.Text = count.ToString();
39 Repeater1.DataSource = dt;
40 Repeater1.DataBind();
41
42 }
43 references
44 public string gettwenycharacter(object myvalues)
45 {
46     string a;
47     a = Convert.ToString(myvalues.ToString());
48     string b = "";
49
50     if (a.Length > 15)
51     {
52         b = a.Substring(0, 15);
53         return b.ToString() + "...";
54     }
55     else
56     {
57         b = a.ToString();
58         return b.ToString();
59     }
60 }
61 }
```

## APPENDIX B

### EVALUATION TOOL

#### INFORMATION AND DESCRIPTIVE SYSTEM ISO 25010 EVALUATION

##### Functionality Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Fully Functional
3.21-4.20	Mostly Functional
2.61-3.20	Functional
1.81-2.60	Slightly Functional
1.0-1.8	Not Functional

##### Efficiency Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Very Efficient
3.21-4.20	Mostly Efficient
2.61-3.20	Efficient
1.81-2.60	Almost Efficient
1.0-1.8	Not Efficient

##### Usability Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Very Usable
3.21-4.20	Mostly Usable
2.61-3.20	Usable
1.81-2.60	Almost Usable
1.0-1.8	Not Usable

##### Maintainability Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Strongly Agree
3.21-4.20	Mostly Agree
2.61-3.20	Agree
1.81-2.60	Slightly Agree
1.0-1.8	Strongly Agree

##### Reliability Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Very Reliable
3.21-4.20	Mostly Reliable
2.61-3.20	Reliable
1.81-2.60	Almost Reliable
1.0-1.8	Not Reliable

##### Portability Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Strongly Agree
3.21-4.20	Mostly Agree
2.61-3.20	Agree
1.81-2.60	Slightly Agree
1.0-1.8	Strongly Agree

##### Security Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Very Secure
3.21-4.20	Mostly Secure
2.61-3.20	Secure
1.81-2.60	Almost Secure
1.0-1.8	Not Secure

##### Compatibility Indicator

Limits of Scale	Qualitative Description
4.21-5.00	Very Compatible
3.21-4.20	Mostly Compatible
2.61-3.20	Compatible
1.81-2.60	Almost Compatible
1.0-1.8	Not Compatible

Table 9. Faculty Deliverables Monitoring System with Notification Feature

<b>Criteria</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>Mean</b>	<b>Interpretation</b>
<b>Functionality</b>							
The system performs the tasks required.							
The result is as expected.							
The system interacts with another system.							
The system prevents unauthorized access.							
<b>Reliability</b>							
Most of the faults in the system have been eliminated over time.							
The system is capable of handling errors.							
The system notifies the user about wrong data entry.							
The software resumes working and restores lost data after a failure.							
<b>Usability</b>							
The user comprehends how to use the system easily.							
The user learns to use the system easily.							
The user utilizes the system without much effort.							
The system's interface looks good.							
<b>Efficiency</b>							
The system responds quickly to the user.							
The system's execution time is appropriate.							

The software utilizes resources efficiently.							
<b>Maintainability</b>							
The system faults can be easily diagnosed.							
The system continues functioning when changes are made.							
The software can be tested easily.							
<b>Portability</b>							
The system can be moved to other environments.							
The software can be installed easily. <i>(for administrator)</i>							
The software can replace easily other software. <i>(for administrator)</i>							
<b>Security</b>							
The software ensures confidentiality of data							
The software prevents unauthorized access and modification to computer programs and/or data							
The software requires authentication of users							
A system log is maintained.							
<b>Compatibility</b>							
The software performs its required functions efficiently while sharing a common environment and resources without negatively impacting any other product/s.							
The software allows two or more systems,							

products, or components to exchange and use the information.							
--	--	--	--	--	--	--	--

## APPENDIX C

### SAMPLE INPUT/ OUTPUT

#### Sample Input

The screenshot shows the 'Add User' modal form overlaid on the 'Member Details' page. The modal contains the following fields:

- User ID:** A text input field containing 'james123'.
- Name:** A text input field containing 'James Brian Flores'.
- Date Of Birth:** A date picker field showing 'dd/mm/yyyy'.
- Role:** A dropdown menu with 'Faculty' selected.

At the bottom of the modal is a red 'Cancel' button. The background page shows a 'Member Details' section with a 'User ID' field and a 'Go' button, and a table of users with columns: Role, User ID, Password.

#### Sample Output

The screenshot shows the 'User List' page. It includes a 'Member Details' sidebar on the left and a main 'User List' section. The 'User List' section has a 'Show 10 entries' dropdown and a search bar. Below is a table of users:

Name	DOB	Contact No.	Email_ID	Role	User ID	Password
Harold Guibone	1998-10-05	09476858115	harol123@gmail.com	Faculty	harold	pass
James Brian Flores	1990-01-10	12324718414	james@gmail.com	Dean	james123	james
John Kyle Remojo	1997-05-02	09260440252	kylremojo@gmail.com	Dean	dean	dean

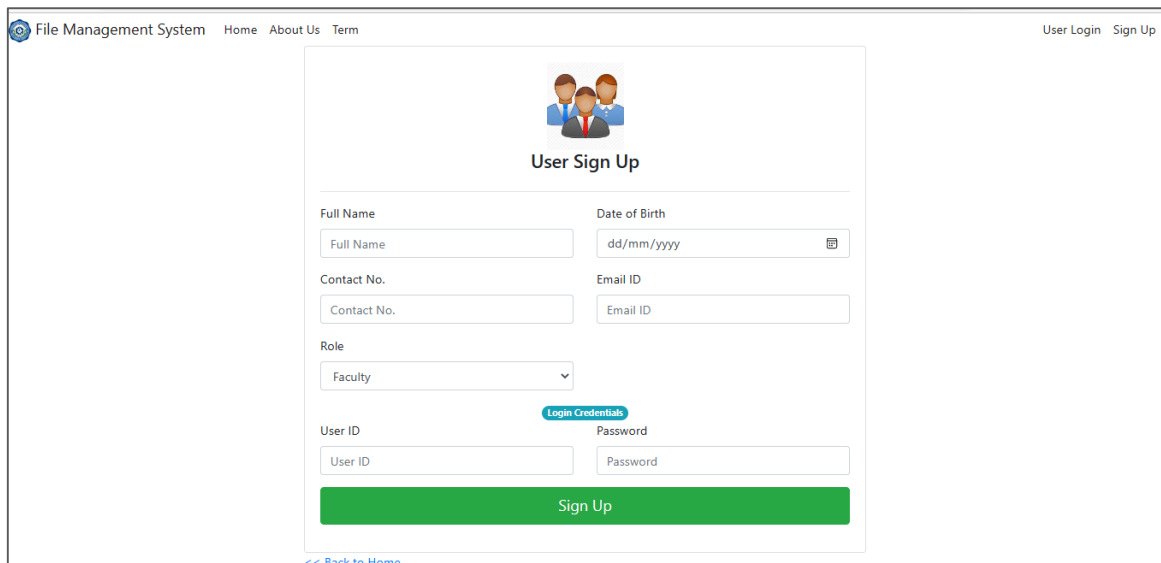
Below the table, it says 'Showing 1 to 3 of 3 entries'. At the bottom right, there are 'Previous', '1', and 'Next' navigation links.

## APPENDIX D

### USER GUIDE

#### User Sign Up

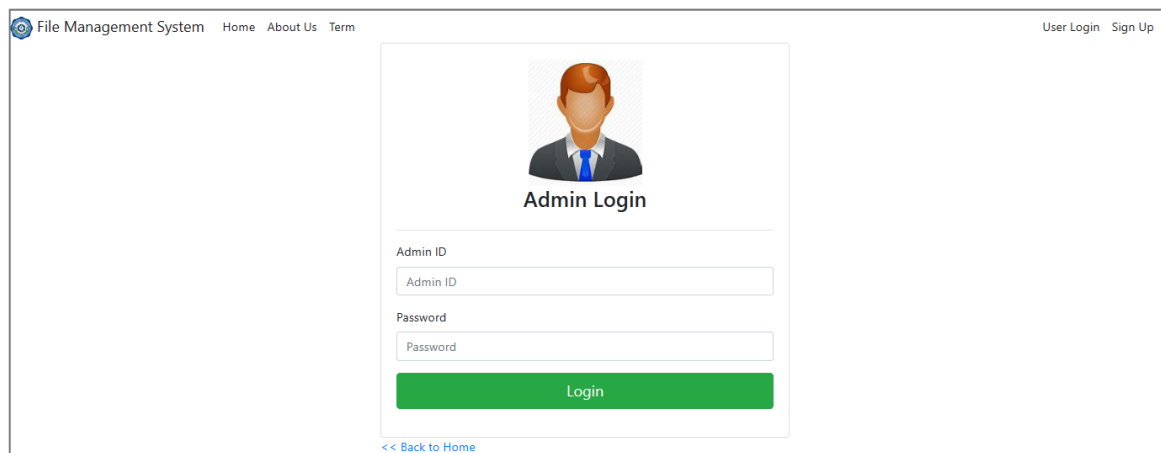
Input information credentials and click sign up.



The screenshot shows the 'User Sign Up' page of a 'File Management System'. The page has a header with 'File Management System', 'Home', 'About Us', and 'Term' on the left, and 'User Login' and 'Sign Up' on the right. The main content area features a central box with an icon of three people and the title 'User Sign Up'. Below the title are several input fields: 'Full Name' (with a placeholder 'Full Name'), 'Date of Birth' (with a placeholder 'dd/mm/yyyy' and a calendar icon), 'Contact No.' (with a placeholder 'Contact No.'), 'Email ID' (with a placeholder 'Email ID'), 'Role' (a dropdown menu currently showing 'Faculty'), 'User ID' (with a placeholder 'User ID'), and 'Password' (with a placeholder 'Password'). A blue button labeled 'Login Credentials' is positioned between the 'Role' and 'User ID' fields. At the bottom of the form is a large green button labeled 'Sign Up'. A blue link '<< Back to Home' is located at the bottom left of the page.

#### Admin Log in

Input your given account name and password and click Login.



The screenshot shows the 'Admin Login' page of a 'File Management System'. The page has a header with 'File Management System', 'Home', 'About Us', and 'Term' on the left, and 'User Login' and 'Sign Up' on the right. The main content area features a central box with an icon of a person in a suit and the title 'Admin Login'. Below the title are two input fields: 'Admin ID' (with a placeholder 'Admin ID') and 'Password' (with a placeholder 'Password'). At the bottom of the form is a large green button labeled 'Login'. A blue link '<< Back to Home' is located at the bottom left of the page.

## Admin Dashboard

Admin dashboard shows the file submitted by the faculty. Where the admin can review the files submitted by the faculty. The admin can approve and disapprove the files submitted.

The screenshot shows the Admin Dashboard for the File Management System. The top navigation bar includes 'File Management System', 'Dashboard', 'User', 'Task', and 'Files'. A 'Logout' link and 'Hello dean' are on the right. A notification bell icon shows '0' notifications. The main content area has an 'Activity Summary' section with 'No. of task uploaded : 0' and a 'Tap to Navigate' link. Below this is a 'Files' section with 'Approved : 0', 'Disapproved : 0', and 'Pending : 0', along with a 'View All' link. The bottom section is titled 'File Management System' and contains a description: 'Faculty Deliverables Monitoring System (File Management System) is a Web Application for faculty members of Southern Leyte State University Main Campus, to upload their deliverables through online where in the administrator would be able to validate and notified the user by its aproval.'

## Admin User Mangement Page

The admin can search specific data and can also manage faculty.

The screenshot shows the Admin User Management Page. The top navigation bar is the same as the dashboard. The main content area is divided into two sections. The left section, 'Member Details', has an icon of three people, a 'User ID' input field, a 'Go' button, and an 'Add' button. The right section, 'User List', has a 'Show 10 entries' dropdown, a search bar, and a table of users. The table has columns: Name, DOB, Contact No., Email\_ID, Role, User ID, and Password. The table contains three rows of user data. At the bottom of the table, it says 'Showing 1 to 3 of 3 entries' and has 'Previous', '1', and 'Next' pagination links.

Name	DOB	Contact No.	Email_ID	Role	User ID	Password
Harold Guibone	1998-10-05	09476858115	harol123@gmail.com	Faculty	harold	pass
James Brian Flores	1990-01-10	12324718414	james@gmail.com	Dean	james123	james
John Kyle Remojo	1997-05-02	09260440252	kyleremojo@gmail.com	Dean	dean	dean



## Adding Task Schedule Page

The admin will now upload the deliverables which needed to be submitted by the faculty with its deadline.

File Management System

Dashboard

User

Task

Files

Logout

Hello dean

0

File

Task

Add Task

Category

--select--

School Year

2022-2023

Semester

1st Sem

Add Category

Comment

Your comment

Select Due Date

dd/mm/yy

Choose File

No file chosen

Add Task

<< Back to Home

Task Summary

Show

10

entries

Search:

File Name	Category	School Year	Semester	Due Date
Sample 1.docx	Learning Materials	2022-2023	1st Sem	25/01/2023 12:00:00 am

Showing 1 to 1 of 1 entries

Previous

1

Next

## Task Monitoring Page

The admin can monitor the files submitted by the faculty.

File Management System

Dashboard

User

Task

Files

Logout

Hello dean

1

File

Details

ID

<< Back to Home

Faculty Submissions

Show

10

entries

Search:

ID	Faculty Name	FileName	Category	School Year	Semester	Date Submitted	Status	
12	harold	Sample 1.docx	Learning Materials	2022-2023	1st Sem	01/19/2023 12:15:04 pm	Pending	View

Showing 1 to 1 of 1 entries

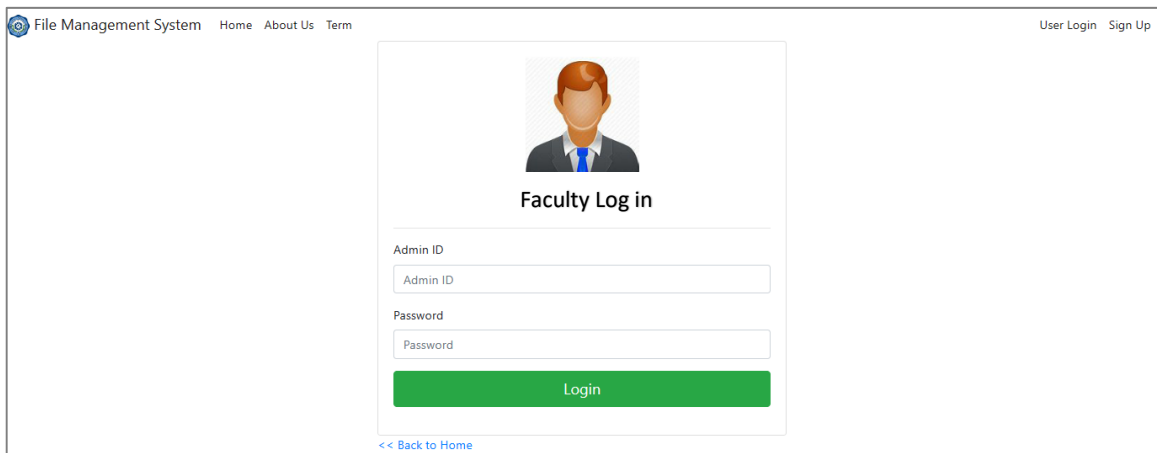
Previous

1

Next

## Faculty Log in

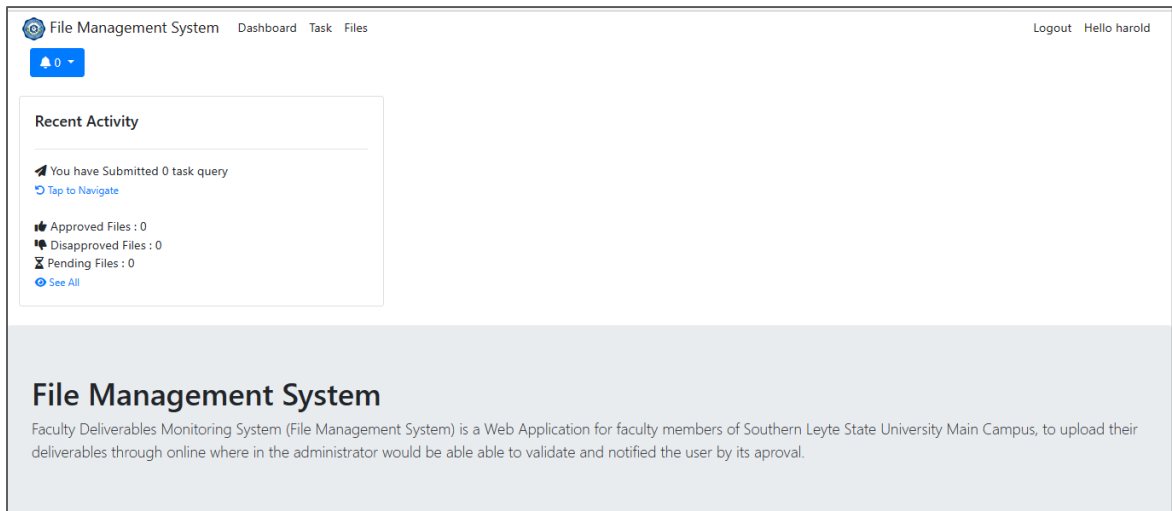
Input your given account name and password and click Login.



The screenshot shows the 'Faculty Log in' page of the 'File Management System'. The page has a header with 'File Management System', 'Home', 'About Us', and 'Term' on the left, and 'User Login' and 'Sign Up' on the right. The main content area features a central box with a placeholder image of a person, the title 'Faculty Log in', and two input fields labeled 'Admin ID' and 'Password'. Below these fields is a green 'Login' button. At the bottom left of the box is a link '<< Back to Home'.

## Faculty Dashboard

The faculty will now view the task uploaded by the admin. Faculty will also view the status of the file submitted.



The screenshot shows the 'Faculty Dashboard' of the 'File Management System'. The header includes 'File Management System', 'Dashboard', 'Task', and 'Files' on the left, and 'Logout' and 'Hello harold' on the right. A blue notification bell icon shows '0' notifications. The 'Recent Activity' section contains three items: 'You have Submitted 0 task query' with a 'Tap to Navigate' link, 'Approved Files : 0', 'Disapproved Files : 0', and 'Pending Files : 0', with a 'See All' link. The bottom section is titled 'File Management System' and contains a paragraph: 'Faculty Deliverables Monitoring System (File Management System) is a Web Application for faculty members of Southern Leyte State University Main Campus, to upload their deliverables through online where in the administrator would be able to validate and notified the user by its aproval.'

## Faculty File Submission Page


The faculty will now upload the deliverables required by the admin.

File Management System

Dashboard Task Files

Logout Hello harold

Send File



Category

--select--

School Year

2022-2023

Semester

1st Sem

Choose File

No file chosen

Submit

<< Back to Home

Task

Show 10 entries

Search:

File Name	Category	School Year	Deadline	Semester	Comment	Status	Action
Sample 1.docx	Learning Materials	2022-2023	25/01/2023 12:00:00 am	1st Sem	sample	Open	<a href="#">View</a> <a href="#">Mark as done</a>

Showing 1 to 1 of 1 entries

Previous 1 Next

## Faculty File Submission History


The faculty will view the status of the files uploaded.

File Management System

Dashboard Task Files

Logout Hello harold

Submissions



Pending : 1

Approved : 0

Disapproved : 0

Summary

Show 10 entries

Search:

File Name	Category	Date Submitted	Status	School Year	Semester
Sample 1.docx	Learning Materials	01/19/2023 12:15:04 pm	Pending	2022-2023	1st Sem

Showing 1 to 1 of 1 entries

Previous 1 Next

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## APPENDIX C

### Curriculum Vitae

#### **John Kyle Remojo**

Brgy. San Isidro, Hilongos, Leyte

+6393260440252

klyeremojo@gmail.com

#### **OBJECTIVES**

To become a part of a team that would enhance my knowledge and develop my skills. To find a place where I can showcase my strengths and gain courage to face my weaknesses.

#### **PERSONAL INFORMATION**

Date of Birth : November 19, 1998

Place of Birth : Tomas Oppus, Southern Leyte

Civil Status : Single

Citizenship : Filipino

Height : 148 cm

Weight : 45

Age : 24

Gender : Male

Religion : Roman Catholic

#### **EDUCATIONAL ATTAINMENT**

Level	School Attended	Year Graduated
Primary	Rizal Elementary School	2011-2012
Secondary	Rizal National High School	2015-2016
Senior High	Don Augustine F. Escano National High School	2016-2018
Tertiary	Southern Leyte State University	2018- Present

## Curriculum Vitae

### Harold Guibone

Brgy. Bogo, Tomas Oppus, Southern Leyte

+639555062923

haroldguibone01@gmail.com

### OBJECTIVES

To become a part of a team that would enhance my knowledge and develop my skills. To find a place where I can showcase my strengths and gain courage to face my weaknesses.

### PERSONAL INFORMATION

Date of Birth : February 11, 1999  
Place of Birth : Tomas Oppus, Southern Leyte  
Civil Status : Single  
Citizenship : Filipino  
Height : 157 cm  
Weight : 65  
Age : 23  
Gender : Male  
Religion : Roman Catholic

### EDUCATIONAL ATTAINMENT

Level	School Attended	Year Graduated
Primary	Rizal Elementary School	2011-2012
Secondary	Rizal National High School	2015-2016
Senior High	Don Augustine F. Escano National High School	2016-2018
Tertiary	Southern Leyte State University	2019- Present

## Curriculum Vitae

### Alona Jean Gozon

Brgy. San Vicente, Hindang, Leyte

+639383356448

alonagozon123@gmail.com

### OBJECTIVES

To become a part of a team that would enhance my knowledge and develop my skills. To find a place where I can showcase my strengths and gain courage to face my weaknesses.

### PERSONAL INFORMATION

Date of Birth : April 22, 1999

Place of Birth : Hindang, Leyte

Civil Status : Single

Citizenship : Filipino

Height : 148 cm

Weight : 59

Age : 23

Gender : Female

Religion : Roman Catholic

### EDUCATIONAL ATTAINMENT

Level	School Attended	Year Graduated
Primary	Doos Elementary School	2010-2011
Secondary	Bontoc National High School	2014-2015
Tertiary	Southern Leyte State University	2015- Present

## Curriculum Vitae

### Clive Ashley Jo

Brgy. Bontoc, Southern Leyte

+6393478762234

cliveashely01@gmail.com

### OBJECTIVES

To become a part of a team that would enhance my knowledge and develop my skills. To find a place where I can showcase my strengths and gain courage to face my weaknesses.

### PERSONAL INFORMATION

Date of Birth : February 23,1999

Place of Birth : Tacloban City

Civil Status : Single

Citizenship : Filipino

Height : 181cm

Weight : 55

Age : 23

Gender : Male

Religion : Roman Catholic

### EDUCATIONAL ATTAINMENT

Level	School Attended	Year Graduated
Primary	Sogod Central Elementary School	2010-2011
Secondary	Saint Thomas Aquinas College	2014-2015
Tertiary	Southern Leyte State University	

## Curriculum Vitae

### Marife Clarnoco

Brgy. Bogo, Tomas Oppus, Southern Leyte

+639555062923

marifeclarnoco@gmail.com

### OBJECTIVES

To become a part of a team that would enhance my knowledge and develop my skills. To find a place where I can showcase my strengths and gain courage to face my weaknesses.

### PERSONAL INFORMATION

Date of Birth : Novemeber 19, 1998  
Place of Birth : Tomas Oppus, Southern Leyte  
Civil Status : Single  
Citizenship : Filipino  
Height : 152 cm  
Weight : 65  
Age : 23  
Gender : Female  
Religion : Roman Catholic

### EDUCATIONAL ATTAINMENT

Level	School Attended	Year Graduated
Primary	Rizal Elementary School	2011-2012
Secondary	Rizal National High School	2015-2016
Senior High	Don Augustine F. Escano National High School	2016-2018
Tertiary	Southern Leyte State University	2019- Present