

### System Evaluation Based on ISO 25010 Software Quality Standards

The developed system was evaluated by 49 IT experts and 340 End-user using the ISO/IEC 25010 standards. The evaluation focused on eight (8) software quality characteristics: *Functional Suitability, Performance Efficiency, Compatibility, Usability, Reliability, Security, Maintainability, and Portability.*

Functional Suitability	SD (1)	D (2)	A (3)	SA (4)	WM	VI
The system provides all features required for hazard reporting	2	3	21	16	3.41	<i>Agree</i>
			5	9		
The information submitted is accurately processed and displayed	1	4	21	17	3.42	<i>Agree</i>
			0	4		
The system meets the safety reporting needs of the campus	2	2	22	15	3.41	<i>Strongly Agree</i>
			0	6		
<b>Weighted Average Mean</b>				<b>3.42</b>		<i>Agree</i>

Table 1: Functional Suitability - End-user/IT expert

As shown in Table 1, Question 1, “The system provides the necessary features required for hazard reporting,” obtained a weighted mean of 3.41, interpreted as Agree. This indicates that the respondents found the system capable of delivering the essential functions needed for submitting hazard reports efficiently. Question 2, “The information I submit through the system is processed accurately,” received a weighted mean of 3.43, interpreted as Agree. This suggests that the system processes and stores user data reliably, providing consistent and accurate results whenever a report is submitted or retrieved. Meanwhile, Question 3, “The system meets its intended purpose in supporting hazard reporting tasks,” obtained a weighted mean of 3.41, which is interpreted as Agree. This reveals that users view the system

as relevant and sufficient in achieving its purpose, helping them complete their reporting tasks without unnecessary difficulty. Overall, the Weighted Average Mean (WAM) for Functional Suitability is 3.42, verbally interpreted as Agree. This implies that users are generally satisfied with the system's functions, finding them appropriate, complete, and useful for fulfilling the requirements of hazard reporting.

<b>Performance Efficiency</b>	<b>SD</b>	<b>D</b>	<b>A</b>	<b>SA</b>	<b>WM</b>	<b>VI</b>
	(1)	(2)	(3)	(4)		
The system loads pages quickly.	3	2	18	20	3.49	<i>Agree</i>
			0	4		
The system responds efficiently to user actions	3	5	21	17	3.40	<i>Agree</i>
			0	1		
<b>Weighted Average Mean</b>				<b>3.45</b>		<i>Agree</i>

Table 2: Performance Efficiency - End-user/IT Expert

As presented in Table 2, Question 1, “The system loads pages quickly,” obtained a weighted mean of 3.49, interpreted as Agree. This shows that users experienced efficient loading times when navigating through the system, indicating that it responds well even with multiple functions running. Question 2, “The system responds efficiently to user actions,” received a weighted mean of 3.40, interpreted as Agree. This means that the majority of respondents observed smooth and responsive interactions, such as submitting reports, opening menus, or retrieving previous submissions. Overall, the Weighted Average Mean (WAM) for Performance Efficiency is 3.45, interpreted as Agree. This implies that the system is capable of handling user actions promptly and performs well under typical usage conditions.

<b>Compatibility</b>	<b>SD</b> <b>(1)</b>	<b>D</b> <b>(2)</b>	<b>A</b> <b>(3)</b>	<b>SA</b> <b>(4)</b>	<b>WM</b>	<b>VI</b>
The system works well on different browsers (Chrome, Firefox, Edge).	3	4	22	16	3.39	<i>Agree</i>
The system does not conflict with device configurations	4	5	20	18	3.43	<i>Agree</i>
<b>Weighted Average Mean</b>				<b>3.41</b>	<i>Agree</i>	

Table 3: Compatibility- End-user/IT Expert

Based on Table 3, Question 1, “The system works across commonly used browsers,” received a weighted mean of 3.39, interpreted as Agree. This shows that users were able to access the system using different browsers without encountering major compatibility problems. Question 2, “The system does not conflict with device configurations,” obtained a weighted mean of 3.43, also interpreted as Agree. This suggests that users experienced minimal issues regardless of the device they used, whether laptops, desktop computers, or mobile phones. In summary, the Weighted Average Mean (WAM) for Compatibility is 3.41, interpreted as Agree. This indicates that the system performs consistently across various platforms and setups, allowing wider usability among diverse users.

<b>Usability</b>	<b>SD</b> <b>(1)</b>	<b>D</b> <b>(2)</b>	<b>A</b> <b>(3)</b>	<b>SA</b> <b>(4)</b>	<b>WM</b>	<b>VI</b>
The system is easy to learn for first-time users.	3	4	25	12	3.30	<i>Agree</i>
The interface is clear and understandable.	3	5	25	13	3.31	<i>Agree</i>
Icons , buttons and labels are clear and meaningful					2	<i>Agree</i>
<b>Weighted Average Mean</b>				<b>3.31</b>	<i>Agree</i>	

Table 4: Usability - End-user/IT Expert

According to Table 4, Question 1, “The system is easy to learn for first-time users,” received a weighted mean of 3.30, interpreted as Agree. This indicates that users found the system simple to understand even without prior experience. Question 2, “The interface is clear and understandable,” obtained a weighted mean of 3.31, interpreted as Agree. This means that the majority of respondents found the layout, labels, and overall design of the system easy to follow, reducing confusion during usage. Overall, the Weighted Average Mean (WAM) for Usability is 3.31, interpreted as Agree. This implies that the system is user-friendly, visually clear, and designed in a way that allows users to complete tasks comfortably.

<b>Reliability</b>	<b>SD</b>	<b>D</b>	<b>A</b>	<b>SA</b>	<b>WM</b>	<b>VI</b>
	(1)	(2)	(3)	(4)		
The system runs without crashes or errors.	3	3	21	17	3.44	<i>Agree</i>
			0	3		
Submitted reports are saved accurately and securely	2	4	21	16	3.44	<i>Agree</i>
			5	8		
<b>Weighted Average Mean</b>				<b>3.44</b>	<b><i>Agree</i></b>	

Table 5: Reliability - End-user/IT Expert

As shown in Table 5, Question 1, “The system runs without crashes or errors,” obtained a weighted mean of 3.44, interpreted as Agree. This shows that users experienced stable system performance, with minimal interruptions while using the platform. Question 2, “Reports are saved accurately,” received a weighted mean of 3.44, also interpreted as Agree. This indicates that users trust the system’s ability to retain and reflect their reports consistently, without errors or data loss. Overall, the Weighted Average Mean (WAM) for Reliability is 3.44, interpreted as Agree. This implies that the system is dependable and functions continuously without major technical issues. Security As presented in Table 6, Question 1, “User data is protected from unauthorized access,” obtained a weighted mean of 3.53, interpreted as Strongly Agree. This suggests that users believe their personal information and submitted reports are kept safe within the system. Question 2, “The login and authentication process is secure,” received a weighted mean of 3.49, interpreted as Agree. This indicates that users feel confident about the way the system validates accounts and prevents unauthorized entry. Overall, the Weighted Average Mean (WAM) for Security is 3.51, interpreted as Strongly Agree. This implies that security is the strongest aspect of the system, gaining the highest level of user confidence among all ISO categories.

Security	SD (1)	D (2)	A (3)	SA (4)	WM	VI
User data is protected from unauthorized access.	1	2	17	21	3.53	<i>Strongly Agree</i>
The login and authentication processes are secure	2	3	18	20	3.49	<i>Agree</i>
<b>Weighted Average Mean</b>				<b>3.51</b>	<i>Strongly Agree</i>	

Table 6: Security - End-user/IT Expert

As presented in Table 6, Question 1, “User data is protected from unauthorized access,” obtained a weighted mean of 3.53, interpreted as Strongly Agree. This suggests that users believe their personal information and submitted reports are kept safe within the system. Question 2, “The login and authentication process is secure,” received a weighted mean of 3.49, interpreted as Agree. This indicates that users feel confident about the way the system validates accounts and prevents unauthorized entry. Overall, the Weighted Average Mean (WAM) for Security is 3.51, interpreted as Strongly Agree. This implies that security is the strongest aspect of the system, gaining the highest level of user confidence among all ISO categories.

Maintainability (IT Expert)	SD (1)	D (2)	A (3)	SA (4)	WM	VI
The system can be updated or modified easily when requirements change.	1	3	21	17	3.42	<i>Agree</i>
The code structure supports efficient debugging	2	4	25	15	13.3	<i>Agree</i>
<b>Weighted Average Mean</b>				<b>3.40</b>	<i>Agree</i>	

Table 7: Maintainability - IT Expert

As shown in Table 7, Question 1, “The system can be updated easily,” received a weighted mean of 3.42, interpreted as Agree. This means IT experts found the system easy to modify or revise whenever changes are required. Question 2, “The code structure supports efficient debugging,” obtained a weighted mean of

3.38, interpreted as Agree. This reflects that the system's internal structure is organized enough to support troubleshooting and future enhancements. Overall, the Weighted Average Mean (WAM) for Maintainability is 3.40, interpreted as Agree. This implies that the system can accommodate updates and improvements with minimal difficulty.

<b>Portablity</b>	<b>SD</b>	<b>D</b>	<b>A</b>	<b>SA</b>	<b>WM</b>	<b>VI</b>
	(1)	(2)	(3)	(4)		
The system works properly when accessed on different computers.	2	4	21	17	3.43	<i>Agree</i>
The system can be deployed in other campuses with minimal changes	2	3	20	17	3.44	<i>Agree</i>
<b>Weighted Average Mean</b>				<b>3.44</b>	<b><i>Agree</i></b>	

Table 8: Portablity - End-user/IT Expert

According to Table 8, Question 1, “The system works properly on different computers,” obtained a weighted mean of 3.43, interpreted as Agree. This indicates that users were able to operate the system regardless of the computers they used. Question 2, “The system can be deployed in other campuses with minimal adjustments,” received a weighted mean of 3.44, also interpreted as Agree. This suggests that respondents believe the system can be transferred to other departments or campuses with little to no conflict in operation. Overall, the Weighted Average Mean (WAM) for Portability is 3.44, interpreted as Agree. This implies that the system has strong potential for expansion and replication in other institutional settings.

## CHAPTER 5

### SUMMARY, CONCLUSION, AND RECOMMENDATIONS

The study concludes that the RiskWise Hazard Reporting System is a functional, reliable, and user-friendly platform capable of improving hazard reporting processes within the institution. The high ratings across all ISO/IEC 25010 categories confirm that the system meets software quality expectations and performs efficiently under typical usage conditions. The results demonstrate that the system is ready for institutional deployment and has the potential to significantly enhance campus safety operations. The study concludes that the RiskWise Hazard Reporting System is a functional, reliable, and user-friendly platform capable of improving hazard reporting processes within the institution. The high ratings across all ISO/IEC 25010 categories confirm that the system meets software quality expectations and performs efficiently under typical usage conditions. The results demonstrate that the system is ready for institutional deployment and has the potential to significantly enhance campus safety operations.

The research implies that the RiskWise Hazard Reporting System is a working, trustworthy, and approachable platform that can better the reporting process of hazard within the establishment. The system's high scores in all ISO/IEC 25010 categories prove that it complies with software quality and performs well even during the usual working conditions. The outcomes indicate that the system is fit for deployment in the organization and has the capability of greatly improving safety operations on the campus.

A total of 389 respondents participated in the study:

- 340 Students
- 49 IT Expert

The study used purposive sampling and evaluated the system using the **ISO/IEC 30141 IoT Main Characteristics Criteria**. The overall rating was **4.43**, interpreted as "**Highly Acceptable**." Results showed that the IoT-based device significantly supported the work of farmers and seedling producers. The system functioned well during testing with no major issues. These findings confirm the potential of SmartSprout to enhance and modernize seedling production.

## Conclusion

The evaluation reaches a conclusion that the RiskWise Hazard Reporting System is a platform that is functional, reliable, and easy to use, and it can help to improve the reporting of hazards in the institution. The excellent scores obtained in all ISO/IEC 25010 categories indicate that the system not only meets the expectations of software quality but also performs well in the typical usage conditions. The findings indicate that the system is prepared for deployment in the institution and has the potential to provide great support to the operations of the safety team on campus.

## Recommendations

Based on the results and conclusions of the study, the following recommendations are provided to guide future developers and researchers:

### 1. For System Enhancement

- Improve administrative visual tools such as analytics graphs and hazard heatmaps. Add advanced search and filtering functions for administrators. Integrate optional voice input for hazard descriptions. Implement multi-factor authentication for enhanced account security. Develop an offline capture mode for future versions, if applicable.

### 2. For Institutional Implementation

- Conduct orientation and training for safety officers and designated personnel. Promote system usage through campus-wide announcements and student briefings. Integrate RiskWise with existing emergency response protocols. Encourage regular feedback from users to guide future improvements.

### 3. For future researchers

- Explore building a native mobile application for additional mobility features. Investigate AI-based hazard classification to automate categorization. Expand the system for multi-campus deployment. Conduct a longitudinal study to assess long-term system effectiveness.

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**Appendix A.**  
Request Letters (Adviser)

Scanned letter

**Appendix B.**  
Plagiarism Checker Certificate

Scanned letter

**Appendix C.**

Grammar Check Certificate

Scanned letter

## Appendix D.

### System Evaluation Questionnaire (Quantitative)

#### **System Evaluation Questionnaire**

**Greetings!**

Dear Respondent,

Thank you for participating in the evaluation of RISKWISE, the Hazard Reporting and Risk Assessment System developed as part of a capstone project aimed at improving campus safety at Pampanga State University. The system is designed to enhance the reporting, monitoring, and management of hazards through an accessible digital platform.

Your feedback is essential in assessing the system's performance, usability, and overall quality. Rest assured that all data collected will be handled confidentially in compliance with the **Data Privacy Act of 2012**.

Your honest responses are highly appreciated.

Very truly yours,

Group Code Researchers

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By filling out this form, I am authorizing the researchers to store the information I have provided.

\_\_\_\_\_  
Respondent signature

**Profile of the Respondents**

Respondents Name (Optional): \_\_\_\_\_ Date: \_\_\_\_\_

Sex:

- Female  
 Male

Age:

- 18-30       41-50       61 and Above  
 31-40       51-60

Role:  Student  
 Employee

Evaluate the RISKWISE system based on the ISO/IEC 25010 Software Quality Model.  
Use the following scale:

- Strongly Disagree (SD) = 1
- Disagree (D) = 2
- Agree (A) = 3
- Strongly Agree (SA) = 4

Mark the appropriate box with a check mark (✓).

Functional Suitability	1 SD	2 D	3 A	4 SA
The system provides all features required for hazard reporting				
The information submitted is accurately processed and displayed				
The system meets the safety reporting needs of the campus				
Performance Efficiency	1 SD	2 D	3 A	4 SA
The system loads pages quickly.				
The system responds efficiently to user actions				
The system performs well when many users are active				
Compatibility	1 SD	2 D	3 A	4 SA
The system works well on different browsers (Chrome, Firefox, Edge).				

The system does not conflict with device configurations				

Usability	1 SD	2 D	3 A	4 SA
The system is easy to learn for first-time users.				
The interface is clear and understandable.				
<u>Icons</u> , buttons and labels are clear and meaningful				

Reliability	1 SD	2 D	3 A	4 SA
The system runs without crashes or errors				
Submitted reports are saved accurately and securely				
The system consistently performs as expected				

Security	1 SD	2 D	3 A	4 SA
User data is protected from unauthorized access.				

The login and authentication processes are secure					



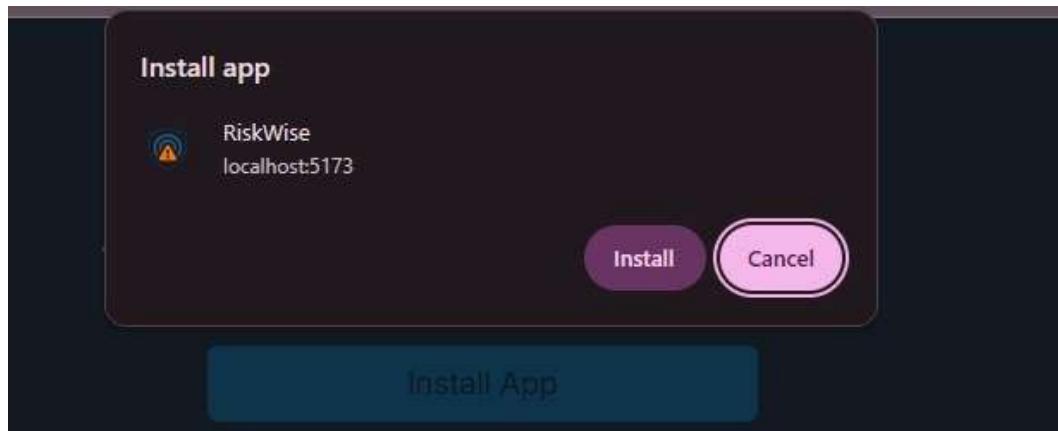
Maintainability (For IT Expert only)	1 SD	2 D	3 A	4 SA
The system can be updated or modified easily when requirements change.				
The code structure supports efficient debugging				

Portability	1 SD	2 D	3 A	4 SA
The system works properly when accessed on different computers.				
The system can be deployed in other campuses with minimal changes				

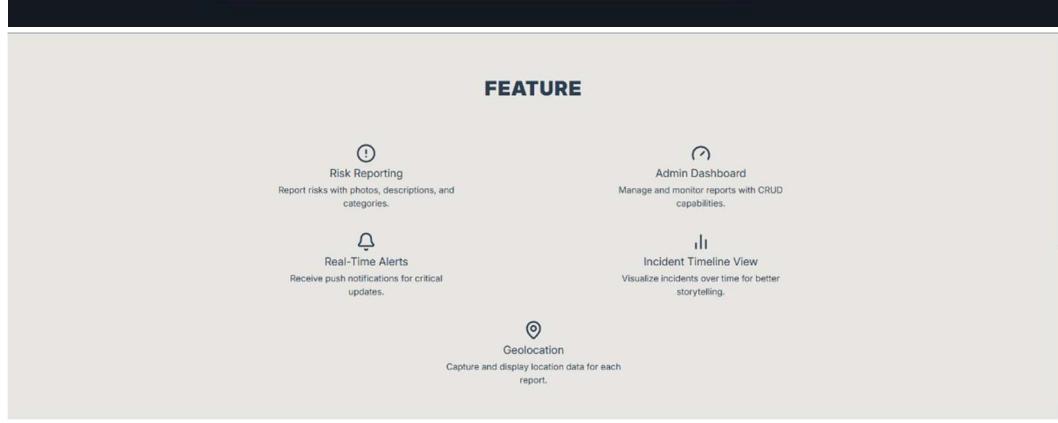
## Appendix E.

### System Screenshots and Flowcharts

The screenshot shows the homepage of the RiskWise mobile application. At the top, there is a navigation bar with links for 'About', 'Features', 'Download', and 'Contact'. Below the navigation is a large banner featuring a photograph of a building with the letters 'DHVTSU' and the year '1861' on it. The banner has a semi-transparent dark overlay. In the center of the banner, the text 'RiskWise: Real-Time Risk Assessment and Incident Reporting' is displayed in blue and white. Below this text is a smaller paragraph: 'Stay informed and in control with a simple, accessible tool for managing risks as they happen. Easily report hazards, follow updates, and get helpful guidance, all from your phone or computer, even when you're offline.' A blue 'Get Started' button is located at the bottom left of the banner. The main content area below the banner is titled 'Our Story' in bold black text. It contains a brief history of the app's creation: 'RISKWISE was born from a university-led initiative to modernize risk reporting at Pampanga State University. Recognizing the limitations of paper-based systems, our team of students, faculty advisors, and developers collaborated to build a digital-first solution.' Below this text are six circular profile cards, each containing a person's name, title, and a small icon. The profiles are: 1. Reynald Kristy Petrina (Front End Developer), 2. Christian Angelo G. Jimenez (Back End Developer), 3. Pepe Karl Garcia (UI/UX Designer), 4. Andre Mallat (Researcher), 5. Troy Michael Angulo (Data Analyst), and 6. Rose Anne Dizon (Documents). At the bottom of the page is a dark blue section with the word 'DOWNLOAD' in white capital letters. It includes a message: 'Available on all major platforms. Get the app and start improving safety today.' and a blue 'Install App' button.

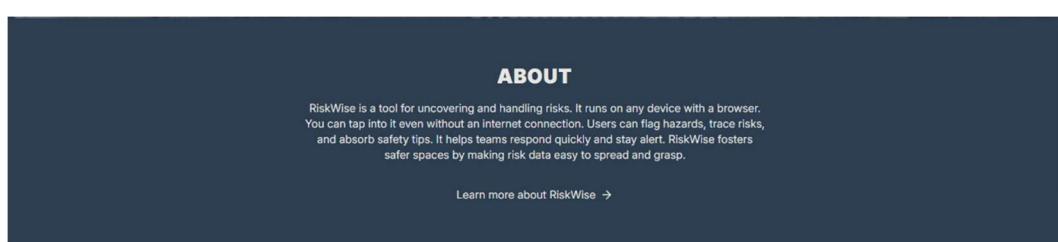


The screenshot shows the 'Install app' screen for the RiskWise app. It features a dark background with a central white card containing the app's logo (a yellow triangle with an exclamation mark), the name 'RiskWise', and the URL 'localhost:5173'. At the bottom right of the card are two buttons: 'Install' (purple) and 'Cancel' (pink). Below the card is a large blue button labeled 'Install App'.



The screenshot displays the 'FEATURE' section of the RiskWise website. It includes five cards with icons and descriptions:

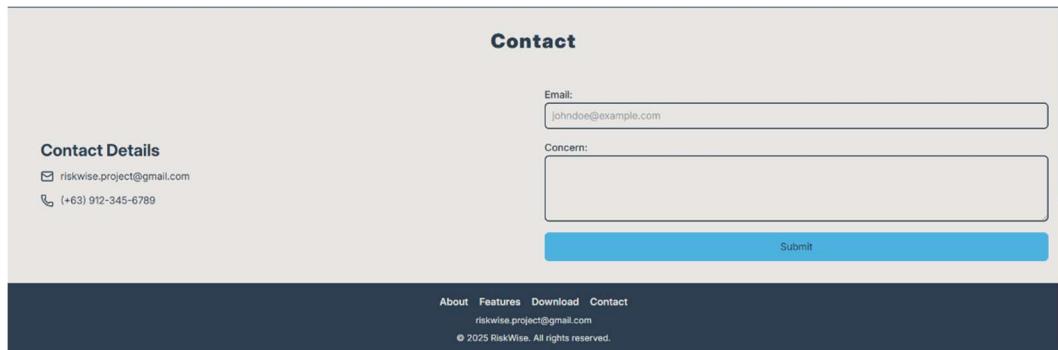
- Risk Reporting**: Report risks with photos, descriptions, and categories.
- Admin Dashboard**: Manage and monitor reports with CRUD capabilities.
- Real-Time Alerts**: Receive push notifications for critical updates.
- Incident Timeline View**: Visualize incidents over time for better storytelling.
- Geolocation**: Capture and display location data for each report.



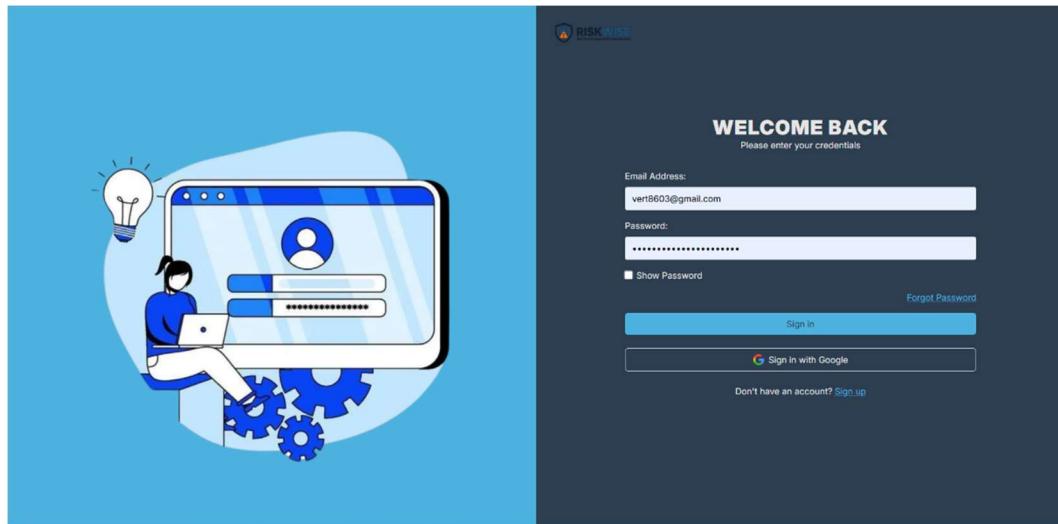
The screenshot shows the 'ABOUT' section of the RiskWise website. It contains a brief description of the tool and a link to learn more.

RiskWise is a tool for uncovering and handling risks. It runs on any device with a browser. You can tap into it even without an internet connection. Users can flag hazards, trace risks, and absorb safety tips. It helps teams respond quickly and stay alert. RiskWise fosters safer spaces by making risk data easy to spread and grasp.

[Learn more about RiskWise →](#)



The screenshot shows the 'Contact' section of the RiskWise website. It includes a form for sending an email with fields for 'Email' (john.doe@example.com) and 'Concern', and a 'Submit' button. Below the form is a footer with links to 'About', 'Features', 'Download', and 'Contact', along with the email address 'riskwise.project@gmail.com' and the copyright notice '© 2025 RiskWise. All rights reserved.'



A screenshot showing a "Project Timeline" section. It features a list of six items, each with a small orange square icon and a date range: "May 2025 - Planning &amp; Setup", "June 2025 - Authentication &amp; PWA Base", "July 2025 - Risk Reporting (Frontend + Backend)", "August 2025 - Admin Dashboard &amp; Notifications", "September 2025 - AI Categorization &amp; Severity Scoring", and "October 2025 - Analytics &amp; Final QA". Each item has a dropdown arrow to its right.

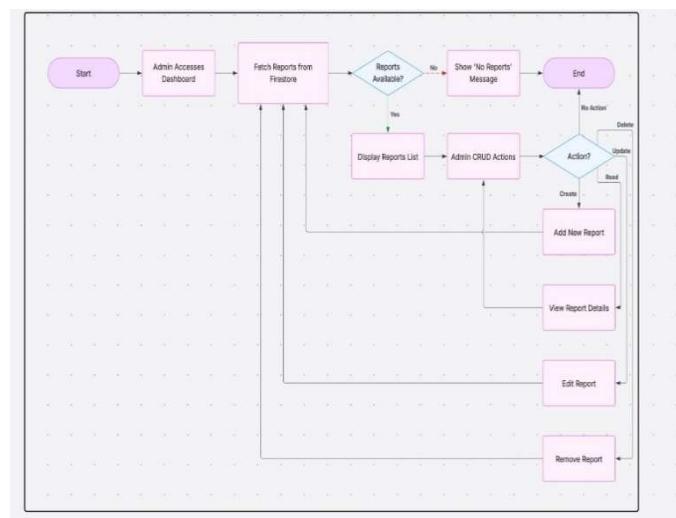
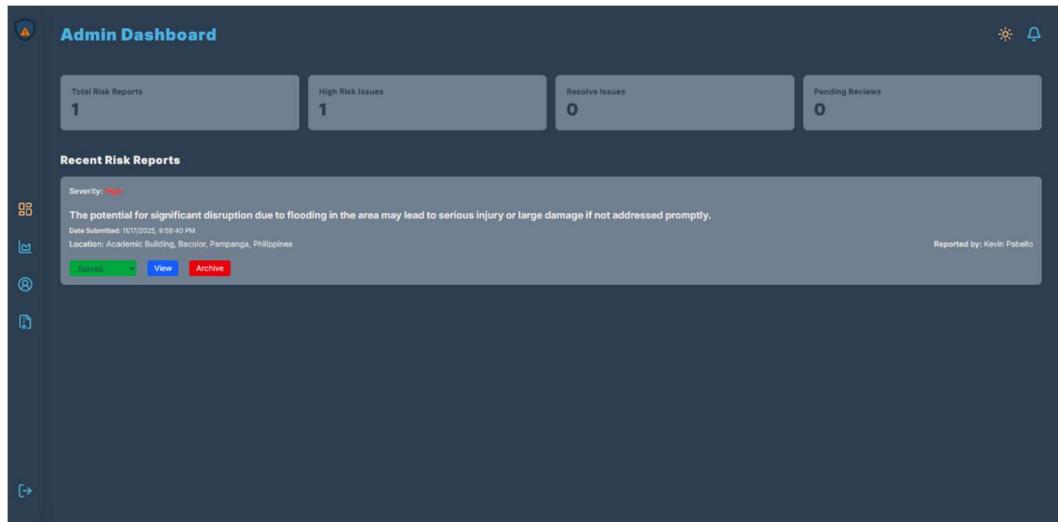
A screenshot of the "OUR MISSION" and "OUR VISION" sections. The "OUR MISSION" section contains the text: "At RISKWISE, we believe every campus deserves to be a safe, responsive, and well-informed environment." Below it are three sections: "OUR PURPOSE" (aiming to eliminate delays in hazard detection and reporting), "OUR COMMITMENT" (with a strong focus on usability, data security, and system reliability), and "OUR VISION" (which includes three boxes: "Accessibility" (designed for all, even offline), "Safety" (a commitment to proactive incident response), and "Accountability" (real-time visibility and transparency for better decisions)).

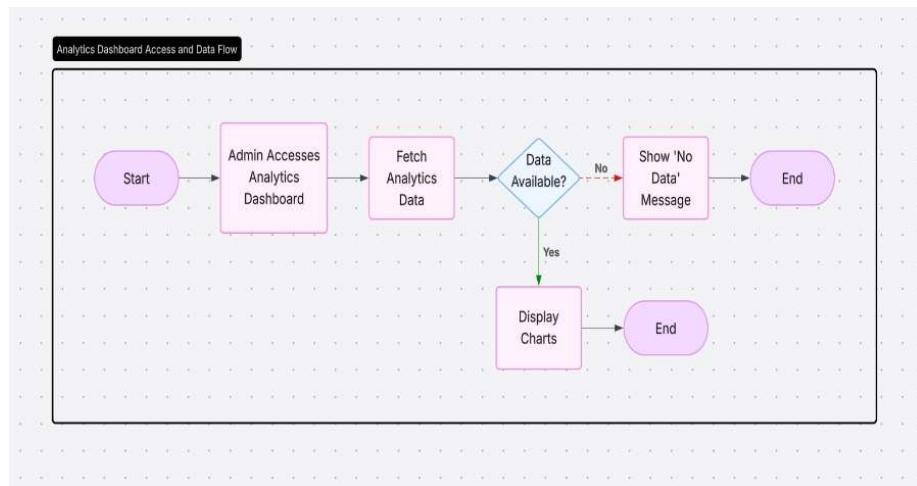
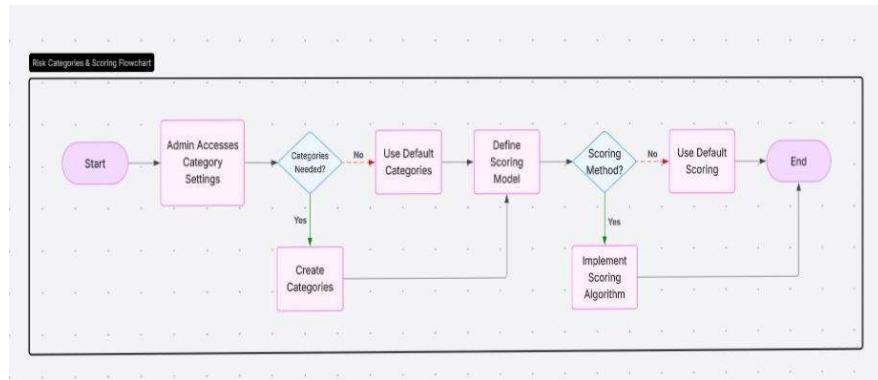


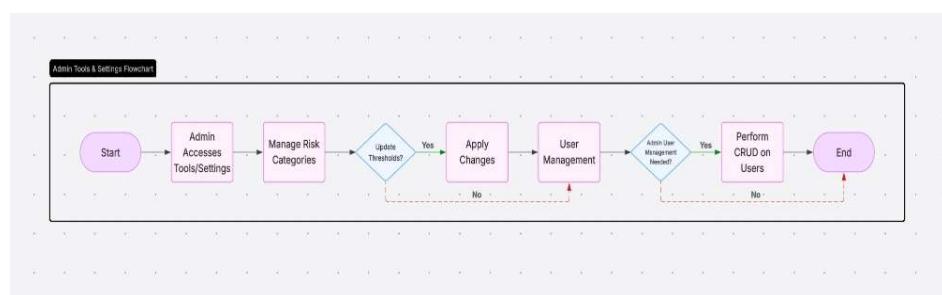
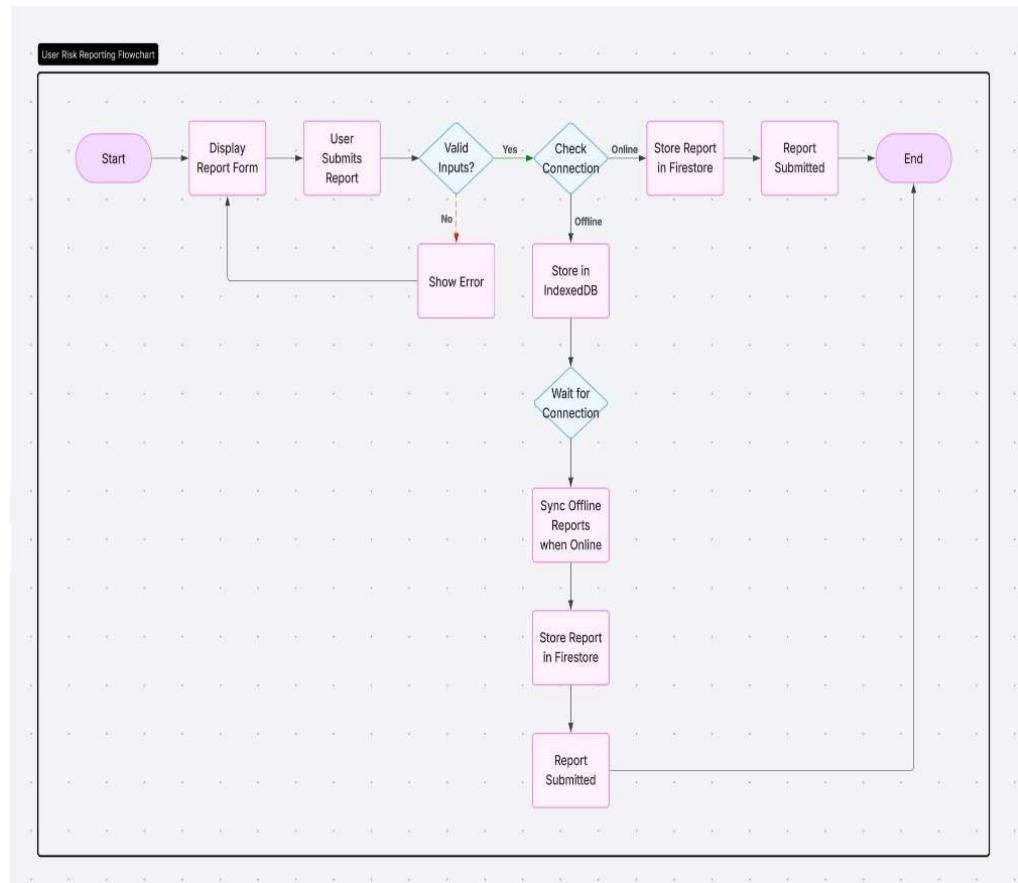
The screenshot shows the "CREATE AN ACCOUNT" form. It includes fields for Full Name (John Doe), Student Number (2020123456), Email (vent6603@gmail.com), Password, Confirm Password, and a checkbox for agreeing to terms and conditions. Below the form are "Sign up" and "Sign up with Google" buttons, and a link for existing users to "Sign in". To the right of the form is a 3D-style illustration of a person standing on a laptop keyboard, holding a folder, with a magnifying glass and a pencil nearby.

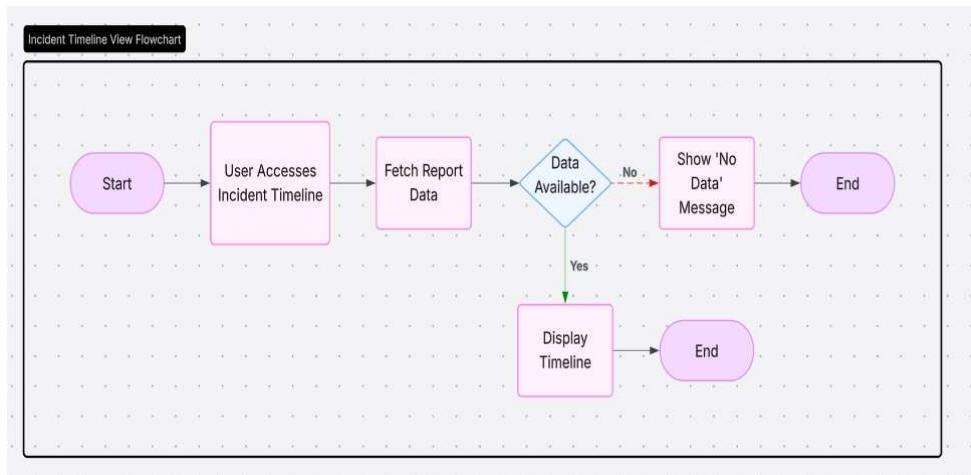
The section title is "Why Choose Us". It states: "Built using Progressive Web App technology for reliability, speed, and cross-device compatibility." Below this are five circular icons with text: Tailored for academic institutions, Works offline for uninterrupted safety, Real-time alerts with push notifications, Secure data storage and privacy-focused design, and Backed by research and field-tested at PamSU.

The title is "Smarter Today, Smarter Tomorrow". It says: "We're building more than a reporting tool, RISKWISE evolves with your campus safety needs." Below this are two boxes: "AI-Powered Categorization" (describing auto-classification based on severity and category) and "What's Coming?" (listing predictive analytics, custom heatmaps, and resource allocation).









## Appendix F.

### User Manual and Admin Manual

#### RISKWISE USER MANUAL (FOR END-USERS)

##### 1. Introduction

RiskWise is a web-based campus safety reporting system designed to allow members of the university community to report potential hazards within campus premises. The system enables hazard reporting through descriptions, images, and location tagging to assist campus safety officers in addressing safety concerns efficiently. RiskWise operates as an online web application and requires an active internet connection.

##### 2. System Requirements

Users must have a smartphone, tablet, laptop, or desktop computer, a modern web browser (Chrome, Firefox, Edge, or Safari), and a stable internet connection. Offline reporting is not supported.

##### 3. Accessing the System

RiskWise can be accessed through the official university-provided URL. No installation is required.

##### 4. Account Registration

Users must sign up by providing their full name, institutional email address, and password.

##### 5. Account Verification Process

RiskWise implements a two-step verification process consisting of email verification followed by identity verification through document upload.

###### 5.1 Email Verification

A verification link is sent to the registered email address. Users must confirm the email to proceed.

###### 5.2 Identity Verification

After email verification, users must upload a valid Certificate of Registration (COR), Student ID, or Employee ID. Uploaded documents are reviewed by administrators before account activation.

##### 6. Logging In

Users may log in using their registered email and password or Google Sign-In if enabled.

##### 7. Submitting a Hazard Report

Users can submit hazard reports by selecting a hazard category, entering a description, attaching a photo (optional), pinning the location, and submitting the report online.

##### 8. Tracking Reports

Users can monitor report status: Pending, Acknowledged, In Progress, or Resolved.

##### 9. Notifications

Users receive notifications for report updates and campus safety announcements.

##### 10. Account Status

Accounts cannot be deleted or deactivated by users. Accounts may only be archived by administrators.

**11. Logging Out**

Users can log out through the system menu, especially when using shared devices.

**12. Safety Guidelines**

Users should not endanger themselves while reporting hazards and should contact emergency services for life-threatening situations.

## RISKWISE ADMIN MANUAL (FOR SAFETY OFFICERS)

### 1. Introduction

The Admin Module allows authorized safety officers to manage hazard reports, users, categories, notifications, and system settings.

### 2. Admin Login

Administrators access the system using secure credentials. Two-factor authentication may be enabled.

### 3. Dashboard Overview

The dashboard displays recent hazard reports, severity indicators, and navigation controls.

### 4. Managing Hazard Reports

Admins can view report details, update report status (Pending, Acknowledged, In Progress, Resolved), and add remarks visible to users.

### 5. Severity Assignment

Administrators may assign severity levels ranging from Low to Critical to prioritize response actions.

### 6. User Management

Admins can view registered users and archive accounts when necessary. Deactivation or deletion is not supported.

### 7. Analytics

The system provides basic analytics such as report counts, category distribution, and resolution rates. Heat maps are not supported.

### 8. Notifications and Alerts

Admins may send campus-wide announcements, reminders, and emergency alerts to users.

### 9. Document Verification

Admins review uploaded CORs or IDs to verify user identity before approving account activation.

### 10. System Settings

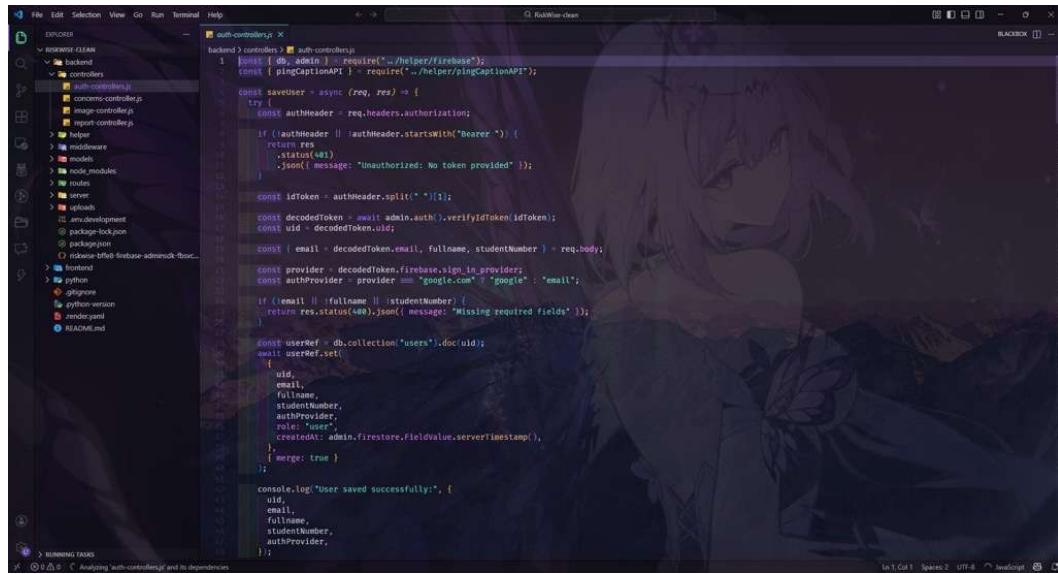
Admins may configure system branding, severity scoring rules, email templates, and notification preferences.

### 11. Best Practices

Admins should verify reports carefully, maintain timely updates, and ensure proper data handling and privacy.

## Appendix G.

### Sample Source Code



```
backend > controllers > auth-controller.js
  1  const db = require("../utils/firebase");
  2  const { PingController } = require("../helpers/pingController");
  3
  4  const saveUser = async (req, res) => {
  5    try {
  6      const authHeader = req.headers.authorization;
  7
  8      if (!authHeader || !authHeader.startsWith("Bearer ")) {
  9        return res.status(401)
 10        .json({ message: "Unauthorized: No token provided" });
 11      }
 12
 13      const idToken = authHeader.split(" ")[1];
 14
 15      const decodedToken = await admin.auth().verifyIdToken(idToken);
 16      const uid = decodedToken.uid;
 17
 18      const { email, fullname, studentNumber } = req.body;
 19
 20      const provider = decodedToken.firebaseio.signInProvider;
 21      const authProvider = provider === "google.com" ? "email";
 22
 23      if (!email || !fullname || !studentNumber) {
 24        return res.status(400).json({ message: "Missing required fields" });
 25      }
 26
 27      const userRef = db.collection("users").doc(uid);
 28      await userRef.set({
 29        uid,
 30        email,
 31        fullname,
 32        studentNumber,
 33        authProvider,
 34        role: "user",
 35        createdAt: admin.firestore.FieldValue.serverTimestamp(),
 36      },
 37      { merge: true }
 38    );
 39
 40    console.log("User saved successfully:", {
 41      uid,
 42      email,
 43      fullname,
 44      studentNumber,
 45      authProvider,
 46    });
 47  }
 48}
```

```

reportController.js
backend > controllers > reportController.js...
  / Generated Report Controller (super compressed for phone photos)
const summarizeReport = async (req, res) => {
  try {
    const { fileNameToPass, description, userId, summary, address } = req.body;
    if (!fileNameToPass || !description || !userId || !summary || !address) {
      return res.status(400).json({
        error: "Image (Base64), description, userId, summary, and address are required",
      });
    }
  } // == STEP 1: Aggressive compression for phone photos ==
  const base64Data = fileNameToPass.replace("data:image\\/*;base64,", "");
  const buffer = Buffer.from(base64Data, "base64");

  // Aggressive compression settings
  const compressedBuffer = await sharp(buffer)
    .jpeg({
      quality: 25, // very low quality for large images
      chromaSubsampling: "4:2:0",
    })
    .resize({
      width: 600, // resize to max 600px width
      withoutEnlargement: true,
    })
    .toBuffer();

  const compressedBase64 =
    "data:image/jpeg;base64," + compressedBuffer.toString("base64");

  // == STEP 2: Build AI analysis prompt ==
  const prompt = `

You are an incident analysis AI. Always return valid JSON in this schema:

{
  "category": "operational | Environmental | safety | security | structural | other",
  "likelihood": "number between 1 and 5",
  "impact": "number between 1 and 5",
  "score": "likelihood * impact",
  "severity": "low | Medium | High | critical",
  "summary": "one or two sentence summary add the potential consequences if neglected"
}

Legend for Likelihood (chance of occurrence):
1 - Rare: very unlikely to happen
2 - Unlikely: may happen occasionally
3 - Possible: could happen sometimes
4 - Likely: expected to happen often
5 - Almost Certain: expected to happen very frequently

Legend for Impact (consequence if it occurs):
1 - Negligible: minimal effect, no injuries or damage
2 - Minor: small inconvenience or minor damage
3 - Moderate: noticeable effect, moderate damage or injury
4 - Major: significant disruption, serious injury or large damage
5 - Critical: catastrophic effect, severe injury, loss of life, or total damage

Based on the following incident data, assign category, likelihood, impact, calculate score (likelihood * impact), assign severity, and write a short summary:
- Caption: ${summary}
- Description: ${description}
`;

  const aiResponse = await axios.post(
    "https://openrouter.ai/api/v1/chat/completions",
    [
      {
        model: "gpt-4o-mini",
        messages: [{ role: "user", content: prompt }],
        response_format: { type: 'json_object' },
      },
    ],
    {
      headers: {
        Authorization: `Bearer ${process.env.OPENROUTER_API_KEY}`,
        "Content-Type": "application/json",
      },
    }
  );
  const rawOutput = aiResponse.data.choices[0].message?.content || "{}";
  let structured;
  try {
    structured = JSON.parse(rawOutput);
  } catch (e) {
    structured = {
      score: "unknown"
    };
  }
}

```

```
File Edit Selection View Go Run Terminal Help
main.go
package main

import (
    "fmt"
    "log"
    "net/http"
    "os"
    "path/filepath"
    "strings"
    "time"
)

type Handler struct {
}

func (h Handler) GetImage(w http.ResponseWriter, r *http.Request) {
    r.ParseForm()
    if r.Method == "POST" {
        log.Println("Capturing screenshot...")
        img := h.PostImage(r)
        w.Header().Set("Content-Type", "image/jpeg")
        w.Write(img)
    } else {
        log.Println("Getting screenshot...")
        img, err := h.GetImageFromServer("http://127.0.0.1:8081")
        if err != nil {
            log.Println("Error getting screenshot: ", err)
            http.Error(w, "Error getting screenshot", http.StatusInternalServerError)
            return
        }
        w.Header().Set("Content-Type", "image/jpeg")
        w.Write(img)
    }
}

func (h Handler) PostImage(r *http.Request) []byte {
    r.ParseMultipartForm(100000000)
    file, _, err := r.FormFile("image")
    if err != nil {
        log.Println("Error reading file: ", err)
        http.Error(r, "Error reading file", http.StatusBadRequest)
        return nil
    }
    defer file.Close()
    img, err := os.ReadFile(file.Filename)
    if err != nil {
        log.Println("Error reading file: ", err)
        http.Error(r, "Error reading file", http.StatusBadRequest)
        return nil
    }
    return img
}

func (h Handler) GetLogs(w http.ResponseWriter, r *http.Request) {
    r.ParseForm()
    if r.Method == "GET" {
        log.Println("Getting logs...")
        logs, err := h.GetLogsFromServer("http://127.0.0.1:8083")
        if err != nil {
            log.Println("Error getting logs: ", err)
            http.Error(w, "Error getting logs", http.StatusInternalServerError)
            return
        }
        w.Header().Set("Content-Type", "text/plain")
        w.Write(logs)
    } else {
        log.Println("Posting logs...")
        logs := r.FormValue("logs")
        if logs == "" {
            log.Println("No logs provided")
            http.Error(w, "No logs provided", http.StatusBadRequest)
            return
        }
        err := h.PostLogsToServer("http://127.0.0.1:8083", logs)
        if err != nil {
            log.Println("Error posting logs: ", err)
            http.Error(w, "Error posting logs", http.StatusInternalServerError)
            return
        }
        log.Println("Logs posted successfully")
        w.WriteHeader(http.StatusOK)
    }
}

func (h Handler) GetImageFromServer(url string) ([]byte, error) {
    resp, err := http.Get(url)
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    img, err := io.ReadAll(resp.Body)
    if err != nil {
        return nil, err
    }
    return img, nil
}

func (h Handler) PostLogsToServer(url string, logs string) error {
    req, err := http.NewRequest("POST", url, strings.NewReader(logs))
    if err != nil {
        return err
    }
    client := &http.Client{}
    _, err = client.Do(req)
    if err != nil {
        return err
    }
    return nil
}

func main() {
    log.Println("Starting server...")

    http.HandleFunc("/", Handler{})
    http.HandleFunc("/image", Handler{})
    http.HandleFunc("/logs", Handler{})

    log.Println("Listening on port 8080...")
    log.Fatal(http.ListenAndServe(":8080", nil))
}
```

```
login-form-container.js
```

```
frontend > src > components > auth-components > login-form-container.js > ...
export default function LoginFormContainer() {
  const startLoading = (key) =>
    setLoading({ ...prev, [key]: true });
  const stopLoading = (key) =>
    setLoading({ ...prev, [key]: false });

  const redirectToDashboard = async (firebaseUser) => {
    const token = await firebaseUser.getIdToken();
    const { success, user: dbUser } = await FetchUser(token);

    if (dbUser.verificationStatus === "pending") {
      const msg =
        "Your account is under verification. Please wait for admin approval.";
      setError(msg);
      toast.error(msg);
      return false; // indicate redirect didn't happen
    }

    if (dbUser.verificationStatus === "rejected") {
      const msg =
        "Your verification was rejected. Please reupload your COR/School ID in your profile.";
      setError(msg);
      toast.error(msg);
      return false;
    }

    if (success && dbUser.role === "admin") {
      toast.success("Login successful!");
      navigate("/admin/dashboard");
    } else {
      toast.success("Login successful!");
      navigate("/dashboard/profile");
    }
  }

  return true; // redirect happened
};

const handleLogin = async (e) => {
  e.preventDefault();
  setError("");
  startLoading("login");
  try {
    const { user: firebaseUser } = await signInWithEmailAndPassword(
      auth,
      email,
      password
    );

    if (!firebaseUser.emailVerified) {
      const msg = "Please verify your email before logging in.";
      setError(msg);
      toast.error(msg);
      return;
    }

    await redirectToDashboard(firebaseUser);
  } catch (err) {
    setError(parseFirebaseError(err));
  } finally {
    stopLoading("login");
  }
};

async function completeGoogleLogin(firebaseUser) {
  const token = await firebaseUser.getIdToken(true);
  const { success } = await FetchUser(token);

  if (!success) {
    await SignUpSend({
      email: firebaseUser.email,
      fullname: firebaseUser.displayName || "No Name",
      studentNumber: "N/A",
    });
  }

  await redirectToDashboard(firebaseUser);
}

const handleGoogleSignIn = async () => {
  const provider = new GoogleAuthProvider();
  try {
    const { user: firebaseUser } = await signInWithPopup(auth, provider);
    await completeGoogleLogin(firebaseUser);
  } catch (err) {
    setError(parseFirebaseError(err));
  }
};
```

```
caption/api.py X
python > caption/api.py
import os
import gc
from flask import Flask, request, jsonify
from PIL import Image
import torch
from transformers import BlipForConditionalGeneration, BlipProcessor

os.environ["CUDA_VISIBLE_DEVICES"] = ""
torch.set_num_threads(1)
device = torch.device("cpu")

app = Flask(__name__)

14 MODEL_NAME = "Salesforce/blip-image-captioning-base"
model = None
processor = None

def load_model():
    global model, processor
    if model is None or processor is None:
        processor = BlipProcessor.from_pretrained(MODEL_NAME)
        model = BlipForConditionalGeneration.from_pretrained(MODEL_NAME).to(device)
        gc.collect()

def warmup_model():
    load_model()
    dummy_image = Image.new('RGB', (224, 224), color='white')
    inputs = processor(images=dummy_image, return_tensors="pt").to(device)
    with torch.no_grad():
        model.generate(**inputs, max_length=16, num_beams=1)
    del inputs
    torch.cuda.empty_cache() if device.type == "cuda" else None
    print("Model warmed up!")

warmup_model()

@app.route("/", methods=["GET"])
def health_check():
    return jsonify({"status": "healthy", "message": "Caption API is running"})

@app.route("/caption", methods=["POST"])
def caption():
    try:
        load_model()
        if "file" not in request.files:
            return jsonify({"error": "No file uploaded"}), 400
        file = request.files["file"]
        if file.filename == "":
            return jsonify({"error": "No file selected"}), 400
        image = Image.open(file.stream).convert("RGB")
        inputs = processor(images=image, return_tensors="pt").to(device)
        with torch.no_grad():
            output_ids = model.generate(**inputs, max_length=16, num_beams=1)
            caption_text = processor.decode(output_ids[0], skip_special_tokens=True)
        del inputs, output_ids
        gc.collect()
        return jsonify({"caption": caption_text})
    except Exception as e:
        gc.collect()
        return jsonify({"error": f"Processing failed: {str(e)}"}), 500

if __name__ == "__main__":
    port = int(os.environ.get("PORT", 5000))
    app.run(host="0.0.0.0", port=port, debug=False, threaded=False)
```

## Appendix H.

### IT Expert Curriculum Vitae

**JANNA NOEHLA ODIADA**  
 [odiadajanna@gmail.com • (63) 9185585051 •  
 Malolos City

#### EDUCATION

<b>Bulacan State University (Main Campus)</b> Bachelor of Science in Information Technology	<b>Malolos City, Bulacan</b> 2025, July
<ul style="list-style-type: none"> <li>• Excellence in Service (Board Member)</li> <li>• Excellence in Service (Executive Assistant – Internal Communications)</li> <li>• Vice Manager of Departmental Activities</li> <li>• Convivial Awardee</li> </ul>	

#### PROFESSIONAL EXPERIENCE

<b>Integrated Micro Electronics (IMI)   Global Manufacturing Solutions</b> <i>Executive Virtual Assistant (Paid Internship)</i>	<b>103 Trade Avenue corner Technology Avenue, Laguna</b> August, 2023 – December, 2023
<ul style="list-style-type: none"> <li>• <b>Employee Handbook Development:</b> Led the creation, editing, and design of the company's comprehensive employee handbook, ensuring all company policies, procedures, and benefits were clearly documented and easily accessible.</li> <li>• <b>Content Creation:</b> Developed detailed content, collaborating with various department heads to incorporate accurate and up-to-date information.</li> <li>• <b>Editing and Proofreading:</b> Conducted thorough reviews and edits to ensure clarity, consistency, and compliance with legal and company standards.</li> <li>• <b>Design and Layout:</b> Utilized graphic design tools to create a professional and visually appealing layout, enhancing readability and engagement.</li> <li>• <b>Project Management:</b> Managed the project timeline, ensuring timely completion and distribution of the handbook to all employees.</li> <li>• <b>Feedback Implementation:</b> Collected and incorporated feedback from employees and management to continuously improve the handbook's content and usability.</li> </ul>	

#### LEADERSHIP EXPERIENCE

<b>College Student Government</b> <i>Board Member, Executive Assistant (Internal Communications)</i>	<b>Bulacan State University</b> June, 2023 – June, 2024
<ul style="list-style-type: none"> <li>• <b>Leadership and Governance:</b> Provided strategic leadership and governance to guide the organization's mission, vision, and strategic goals.</li> <li>• <b>Advocacy and Representation:</b> Acted as a representative and advocate for stakeholders, ensuring their voices and needs were heard and addressed in board discussions and decisions.</li> <li>• <b>Decision-Making:</b> Participated in high-level decision-making processes, contributing to the development of policies and initiatives that benefit the organization and its members.</li> <li>• <b>Time Commitment and Dedication:</b> Demonstrated unwavering commitment by regularly attending board meetings, committees, and events, often sacrificing personal time to fulfill board responsibilities.</li> <li>• <b>Conflict Resolution:</b> Mediated conflicts and facilitated discussions to reach consensus, ensuring a collaborative and harmonious working environment.</li> <li>• <b>Mentorship and Support:</b> Provided mentorship and support to fellow board members and organizational leaders, fostering a culture of continuous improvement and development.</li> <li>• <b>Community Outreach:</b> Led initiatives to engage with the community, understanding their needs and mobilizing resources to support various programs and services.</li> <li>• <b>Resource Allocation:</b> Assisted in the prudent allocation of resources, ensuring the organization's financial health and sustainability.</li> </ul>	

### SKILLS AND INTERESTS

**Technical Skills:** Proficient in Microsoft Word, Excel, PowerPoint, OneDrive, Access, Outlook, Google Drive, Gmail, Communications Skills, Verbal and written communication, Computer Literacy, Project Management, Fast Learner, Strategic Planning, Multi-tasking, Computer Programming:

- Front-End (8/10)
- Back-End (5/10)

**Languages:** Fluent in English, Conversational in Spanish and Native in Tagalog.

**Seminars/Trainings:**

- (2021): IT: The Raging Power of Project Management and Developmental Research
- (2021): ITSM ERA: Unlock the power of Service Management
- (2022): Power On: Empowering the New Icons (Leadership Camp)
- (2022): CODE YOUR FUTURE WITH STACKTREK (40 Mins Coding Workshop)
- 

**Certifications:**

- Cisco: Networking Basics, Aug 2024
- Cisco: Network Addressing and basic Troubleshooting, Sep 2024
- Cisco: Networking Device and Initial Configuration, Oct 2024
- CompTIA ITF+ Certification (In Progress)
- Udemy: Learn Visual Studio Code — Jan 2025
- Udemy: The Complete Full-Stack Web Development Bootcamp — Feb 2025
- Udemy: Git Complete: The Definitive, Step-by-Step Guide to Git — Feb 2025
- Udemy: Angular - The Complete Guide (2025 Edition) — Feb 2025
- Udemy: Maven Crash Course: Step-by-Step Introduction for Beginners — Feb 2025
- Udemy: Eclipse Tutorial for Beginners: Learn Java IDE in 10 Steps — Feb 2025
- Udemy: Java Masterclass 2025: 130+ Hours of Expert Lessons — Mar 2025
- Udemy: Learn Java Unit Testing with JUnit & Mockito in 30 Steps — Mar 2025
- Udemy: Spring Boot 3, Spring 6 & Hibernate for Beginners — Mar 2025
- Udemy: Docker for the Absolute Beginner - Hands-On DevOps — Mar 2025

### ACADEMIC PROJECTS

**GUIsq**

**2023- 2024**

- Developed a web-based system to modernize record-keeping, improve communication, and manage member data for the Christian Bible Church of Hagonoy (CBCH).
- Developed a management system using React.js (frontend), Node.js and Express.js (backend), and MongoDB (database).

### COMPANY TRAINING

**Salesforce Philippines**

**2023**

Admin Trainee

- Trained as an Admin trainee for 3 months, gaining hands-on experience in managing Salesforce tools and systems.
- Admin Superset

**Accenture Philippines**

**2024-2025**

Accenture Academy Intern

- Completed 500 hours of intern work that includes Front-End and Back-end training and refresher courses of programming and software handling and as a result, gained a grade of 1.0 in the subject as a completer.
- Gained hands on experience through coding camp and gained valuable knowledge through the provided resources of Accenture using Udemy



## Marc Dexter Raymundo

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Santa Cruz Hagonoy, Bulacan 3002

I am a junior Backend Developer and Currently Working in Accenture in the Philippines as Custom Software Engineering in SAP.

### Education Level

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Bulacan State University – Main Campus – City of Malolos, Bulacan

2021- 2025

*Bachelor of Science in Information Technology Major in Web and Mobile Application Development*

**Relevant Coursework:** Web Development and Design, Mobile Application Development and Design, Front-End Technologies, Back-End Development, User Interface (UI) and User Experience (UX) Design

### Academic Projects

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GUlsq (Project Manager)

2023- 2024

- Developed a web-based system to modernize record-keeping, improve communication, and manage member data for the Christian Bible Church of Hagonoy (CBCH). The system addressed issues related to data loss, communication delays, and member tracking using secure digital storage, automated announcements, and customizable dashboards.
- Developed a management system using React.js (frontend), Node.js and Express.js (backend), and MongoDB (database).

### Corporate Experience

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Accenture Philippines

2025-Present

*Custom Software Engineering Associate*

### Company Training

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Accenture Philippines

2025

*ATA SAP/ABAP Intern*

- Completed intensive hands-on training in SAP ABAP development, covering core topics such as data dictionary objects, modularization techniques, internal tables, ALV reporting, and debugging.
- Developed and presented a functional case study project simulating real-world business processes, demonstrating proficiency in creating reports, forms, and database interactions.
- Gained practical experience with SE38, SE11, and ABAP Workbench tools, and collaborated with peers to review and optimize code according to best practices.

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Salesforce Philippines

2024

*Admin Trainee*

- Trained as an Admin trainee for 3 months, gaining hands-on experience in managing Salesforce tools and systems.
- Admin Superset

**Freelance Experience****Django Developer | DevOps support**

2024-2025

*City hall Business Application PWA system with OCR and Fraudulent detection.*

- Designed and developed a Progressive Web Application (PWA) for a city hall Business Permit Application System, transforming manual application processes into a streamlined online platform.
- Integrated Optical Character Recognition (OCR) to extract key data from uploaded documents, with built-in fraudulent file detection to flag inconsistencies.
- Implemented a real-time queuing system where applicants can book preferred dates and times for payment and permit claiming. Used QR code generation and scanning to ensure orderly on-site flow and validate scheduled appointments.
- Managed deployment and hosting using Heroku for rapid development, and integrated Amazon Web Services (AWS) for secure document storage, QR verification, and server-side encryption.
- Handled basic DevOps tasks including environment setup, CI/CD workflows, system monitoring, and scaling to ensure stable performance and uptime.

**Organizational Experience****Local Student Council**

2024-2025

*Vice-chairman for Production (2024-2025)*

- Oversaw and approved production proposals and planning for college-based events under the student council.
- Provided technical and creative direction to ensure production outputs aligned with event goals and university standards.
- Acted as a key decision-maker in organizing, budgeting, and delegating production-related responsibilities for student-led initiatives.

**Society for the Welfare of Information Technology Students**

2021-2024

*Managing Director for Production (2023-2024)*

- Served as the head of the organization's production team.
- Led and coordinated photo and video shoots for the organization and occasionally the university, focusing on high-quality production. Managed the production of the largest IT congress in Bulacan in 2022 and 2023, overseeing photo and video documentation, including the quality of same-day edits.

*Technical Personnel (2021-2023)*

- Handled technical production for on-site events and livestreams, including the annual IT Congress—the largest of its kind in Bulacan.
- Set up, operated, and troubleshoot AV and livestream equipment to ensure seamless event execution.
- Collaborated with event coordinators and tech teams to meet production requirements and ensure a smooth flow of program segments.

**Certifications**

- 
- Academic Accenture Academy: SAP/ABAP, May 2025
  - Office of the Ombudsman Leadership Training, March 2024
  - Cisco: Networking Basics, Aug 2024
  - Cisco: Network Addressing and basic Troubleshooting, Sep 2024
  - Cisco: Networking Device and Initial Configuration, Oct 2024
  - PitchTech Bootcamp: Empowering Tech Visionaries to Conquer the Stage, Oct 2023
  - ENVISION: Transforming Your Creativity Into Reality Adobe Photoshop and Adobe Premiere, University of the Philippines Los Baños, Oct 2022
  - CICT Footsteps: A Journey from Good to Great, Live Online Webinar, 2022

**Skills**

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**Programming Languages:** HTML, CSS, JavaScript, C++, Java, Python, and ABAP

**Database:** PostgreSQL, MongoDB, MySQL, and Firebase

**Frameworks:** React-JS, Django

**Tools:** Figma, Canva, Adobe Photoshop, Adobe Premiere, Visual Studio Code, Android Studio, Heroku, AWS, Render, Infinity, and SAP

**Version Control:** Git, GitHub

**System Administrator:** Microsoft, Cisco, Salesforce

**Other:** Cross-browser compatibility, Responsive design

**Soft skills**

- 
- Integrity
  - Efficient and Responsible
  - Adaptable and Quick Learner
  - Excellent Time Management
  - Effective Team Collaborator
  - Solution-Oriented Problem Solver
  - Strong Attention to Detail
  - Leadership in High-Pressure Environments

## Appendix I.

### Researchers Curriculum Vitae



**ANDREI TRINIDAD MALLARI**

**Education**

**Don Honorio Ventura State University**  
Bacolor, Pampanga  
College Level  
2021 – Present

**Guagua National Colleges**  
Sta. Filomena, Guagua, Pampanga  
Senior High School  
2019 – 2021

**St. Anthony Academy**  
San Antonio, Guagua, Pampanga  
Junior High School  
2015 – 2019

**Guagua Elementary School**  
Sto. Filomena, Guagua, Pampanga  
Elementary Level  
2009 – 2015

**Skills**

- Flexible and Enthusiastic
- Communication skills both written and oral
- Willingness to work hard and give all my best.
- A person who is devoted, efficient, and considerate
- Knowledge of computers (MS Word, Excel, and PowerPoint)
- Willing to try out new ideas in many areas in order to expand my knowledge and abilities
- Has the aptitude and abilities to comprehend client's expectations, achieved desired objectives, and provide value.

**Language**

English  
Tagalog

**Career Objective**

To obtain valuable information, knowledge, and skills in a real-world context to supplement those I have gained in school. To be able to work in a career-oriented and challenging environment that promotes personal growth and professional development. I have a great desire to assist others. I exhibited outstanding customer service, organizational, and communication skills. I am keen to learn more as I grow and explore things.

**Work Experience**

<b>August 2024 – January 2025</b>	<b>Fusion (Burger King)</b> Service Crew <ul style="list-style-type: none"> <li>• Managed food preparation and order accuracy.</li> <li>• Ensured cleanliness and compliance with health standards.</li> <li>• Delivered excellent customer service during peak hours.</li> </ul>
<b>January 2023 – July 2023</b>	<b>Laza Seafood Market and Grill</b> Food Attendant <ul style="list-style-type: none"> <li>• Greeted and served guests professionally and courteously.</li> <li>• Assisted in food preparation and ensured table settings were maintained.</li> <li>• Addressed guest concerns to ensure satisfaction.</li> </ul>
<b>December 2022 – January 2023</b>	<b>McDonald's</b> Service Crew <ul style="list-style-type: none"> <li>• Provided fast, efficient, and friendly service to customers.</li> <li>• Took and prepared orders following food safety protocols.</li> <li>• Supported kitchen and dining area cleanliness.</li> </ul>
<b>November 2021 – March 2022</b>	<b>Staffwise Solution Inc.</b> (7/11) Store Crew <ul style="list-style-type: none"> <li>• Assisted in daily store operations and customer transactions.</li> <li>• Maintained cleanliness and orderliness of the store.</li> <li>• Handled restocking and inventory tasks.</li> </ul>

**Character References**

<b>Allen Jan S. Nulud, LPT</b> Principal, Junior High School Department JGuagua National Colleges <b>Phone:</b> (045)-900-4386	<b>Rowena R. Samapang, LPT</b> Principal, Senior High School Department JGuagua National Colleges <b>Phone:</b> (045)-900-4386
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## Christian Angelo G. Jimenez

📞 09289937168

✉️ cianciancian26@gmail.com

📍 Zone 1, Dila-Dila, Sta Rita, Pampanga

### Education

2022 - 2026

**Pampanga State University**

Bachelor of Science in Information Technology

### Personal Information

**Birth Date:** August 26, 2004

**Civil Status:** Single

**Religion:** Christian

**Height:** 5'8

**Weight:** 60kg

### Skills

- Strong problem-solving and analytical skills
- Fast learner; adaptable to new tools and technologies
- Good communication and teamwork abilities
- Detail-oriented and committed to delivering quality output



**ROSE ANNE HIPOLITO**  
Cashier

**EDUCATION**

**SAN PATRICIO ELEMENTARY SCHOOL** 2010 - 2016  
Grade School

**STA. ANA NATIONAL HIGH SCHOOL** 2016 - 2020  
Certificate in Digital Marketing

**DON HONORIO VENTURA STATE UNIVERSITY** 2022 - present  
Bachelor of Science in Information Technology

**WORK EXPERIENCE**

**Don Mango Mexico** 2023 - 2024  
Product Design Manager

**SKILLS**

- Management Skills
- Basic computer skills and knowledge.
- Attention to detail and accuracy.
- Teamwork and Collaboration.
- Customer service and relations.

**CONTACT ME**

📞 0951 064 5715  
✉️ hipolitorosiee@gmail.com

**QUALITIES**

- Positive Attitude and Professionalism.
- Continues learning and improvement.
- Respect and empathy for colleagues and customer.

**Cando, Paulo Kurl M.**

**Address:** L. Gomez Subdivision San Matias Sto.

Tomas Pampanga

**Phone:** [+63 9666555787](tel:+639666555787)

**Email:** candopaulo630@gmail.com

**Profile Summary**

Motivated and detail-oriented in Information Technology with strong skills in software development, troubleshooting, and IT support. Skilled in building web applications, analyzing technical problems, and optimizing system performance. Eager to contribute technical expertise to a dynamic organization while continuously learning new technologies.

**Objective**

To obtain a position in the field of Information Technology where I can apply my technical skills, gain experience, and contribute to the success of the organization.

**Educational Background**

Elementary : Camp Olivas Elementary School

Year Graduated : 2016

High School : San Matias National High School

Year Graduated : 2020

Senior High : San Matias Senior High School (Gas, Humss)

Year Graduated : 2022

College : Pampanga State University (Former Don Honorio Ventura State University )

Year Graduated : Undergraduate

**Personal Information**

**Birth Date :** April 22, 2004

**Civil Status :** Single

**Religion :** Roman Catholic

**Nationality :** Filipino

# KEVIN PABELLO



Detail-oriented Information Technology student with a background in software development, video editing, and content creation. Known for strong problem-solving abilities, creativity, and a proactive approach to learning new technologies.

## CONTACT

📞 +63 916-668-0389

✉️ pabellok69@gmail.com

## EDUCATION

**HS Graduate**  
St Marys Academy Of Guagua

2021

## CERTIFICATIONS

## SKILLS

Programming	██████
Communication	██████
Training	██████
EDITING	██████
Cloud Keeping	██████
Team Collaboration	██████

## REFERENCES

ILTC INC.

Phone: Given Upon Request

For further references,  
they are available upon  
request.

**Appendix J.**  
Research Documentation Pictures





