

Title: ASGO Design and Development of an Online Admission slip system

Problem Statement:

The manual process of admission slip retrieval and signing leads to delays and potential loss of records in educational institutions like PSHS-EVC. The involvement of students and teachers in processing paper slips is inefficient and prone to errors. Hence, this project aims to develop a secure digital solution that enables students to digitally request and transmit admission slips while allowing teachers to sign them in a timely and efficient manner.

Project objectives:

1. The goal of this project is to **design, develop, and automate** a digital admission slip application based on Python that will streamline and secure the process of obtaining and approving admission slips.
2. To differentiate student and teacher accounts through EVC email identification (e.g., using email prefixes or domain patterns) in a simple and unmistakable manner.
3. To provide students the ability to create, send, and track their admission slips online for various reasons such as tardiness, absences, or cutting classes.
4. To allow teachers to access their inboxes, review, and digitally sign admission slips efficiently.
5. To implement a procedure for validating teacher signatures and allowing the **school nurse** (instead of the registrar) to verify the completion of admission slips.

Planned Features

- 1. User Role Identification**
The system automatically determines whether the user is a student or a teacher based on a list of teachers evc email account
- 2. Email Validation**
The system validates the entered email during registration. If the email is not an official EVC email, an error message is displayed prompting the user to enter a valid one.
- 3. User Account Management**
The system allows users to create an account and securely log in using their credentials.
- 4. Slip Type Selection**
Students can choose the type of admission slip they need to file, such as *Cutting Class, Tardy, or Absent*.
- 5. Digital Slip Creation and Submission**
Students can fill out and submit admission slips digitally. Once submitted, the slips are automatically sent to the teacher's inbox for review and signature.
- 6. Remote Teacher Authorization**
Teachers can access, review, and sign admission slips remotely through the system, ensuring fast and secure processing.
- 7. Slip Tracking and Status Updates**
The system provides real-time updates on the status of each admission slip, allowing students to track whether their slip has been signed, rejected, or is still pending.
- 8. Notification System**
Students and teachers receive notifications for important actions, such as when a slip is submitted, reviewed, or approved.
- 9. Record Management**
All processed admission slips are stored digitally, allowing administrators, teachers, and students to access records anytime without risk of loss or damage.

Planned Input/Outputs

| Process / Function | Planned Input (User Provides) | Planned Output (Program Displays / Produces) |
|----------------------------|--|---|
| User Login | EVC Email (e.g., xasolis@evc.pshs.edu.ph or teacher@evc.pshs.edu.ph) | "Welcome, Student!" or "Welcome, Teacher!" or "This is not an EVC email." |
| Student Information Entry | Full Name, Grade Level, Section | Confirmation message showing the entered student details |
| Choose Admission Slip Type | Option (Admission / Tardy / Cutting Class) | System acknowledges selected slip type (e.g., "You selected: Tardy Slip") |
| Enter Missed Subject/s | Text input (e.g., "Lunch" or "Math") | System confirms subject(s) missed |
| Send to Teacher | Click "Send to Teacher" or press enter | "Admission slip sent to teacher inbox." |
| Teacher Login | Teacher's EVC Email (e.g., teacher@evc.pshs.edu.ph) | "Welcome, Teacher!" or "This is not an EVC email." |
| Teacher Signs Slip | Opens inbox and selects student slip | "Slip signed successfully." |
| Submit to Registrar | Click "Send to Registrar" | "Slip successfully submitted to registrar." |
| Logout | Select logout option | "You have logged out. Thank you for using Admission Slip GO." |

Contributors

Eljar Saño - Revised the project draft

Zian Mate - Made the flowchart