

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

## **Problem Statement:**

The manual process of admission slips retrieval and signing leads to delays and loss of records in educational institutions. The involvement of students and teachers in the processing of paper slips is an inefficient and error-prone practice, hence, the project been devised with the intention to develop a digital solution that will enable students to digitally request and transmit admission slips as well as that will allow the teachers to sign them in a fast and safe manner.

## **Project objectives:**

- 1.The goal of this project is to create and implement a digital admission slip application based on Python that will completely transform the manual method of obtaining and giving approval for admission slips into an automated one.
- 2.Student and teacher accounts will be differentiated through EVC email identification (such as email prefixes or certain domain patterns) in a manner that is simple and unmistakable.
- 3.Moreover, students will be given the opportunity to create, send, and track their admission slips online for different reasons (tardy, absent, or cutting class).
- 4.For their part, teachers will be allowed to check their inboxes, review, and digitally sign admission slips.
- 5.A procedure for validating teacher signatures and allowing registrars to verify the completion of slips will be put in place.

6. Python file handling (JSON or CSV) will be used for developing data storage and retrieval (managing users and admission slips) in the most efficient manner.

7. By following ethical programming practices and considering user privacy, the system will be able to provide data validation, accuracy, and security.

8. Additionally, the project will foster teamwork, modular programming, and problem-solving capabilities among developers throughout the system's life cycle.

## Planned Features

1. Determines if user is student or teacher using evc email
2. Validates if the entered email is not an EVC Email and prints a message:
3. Allows signup and log in of users
4. Lets student choose between cutting class, tardy, or absent admission slip
5. Lets students create admission slips and send to inbox to the teacher to be signed
6. Allows teachers to sign admission slips remotely

## 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

<b>Choose Admission Slip Type</b>	Option (Admission / Tardy / Cutting Class)	System acknowledges selected slip type (e.g., "You selected: Tardy Slip")
<b>Enter Missed Subject/s</b>	Text input (e.g., "Lunch" or "Math")	System confirms subject(s) missed
<b>Send to Teacher</b>	Click "Send to Teacher" or press enter	"Admission slip sent to teacher inbox."
<b>Teacher Login</b>	Teacher's EVC Email (e.g., teacher@evc.pshs.edu.ph)	"Welcome, Teacher!" or "This is not an EVC email."
<b>Teacher Signs Slip</b>	Opens inbox and selects student slip	"Slip signed successfully."
<b>Submit to Registrar</b>	Click "Send to Registrar"	"Slip successfully submitted to registrar."
<b>Logout</b>	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