

**PILAR COLLEGE OF ZAMBOANGA CITY, INC.**

R. T. Lim Boulevard, Zamboanga City

INFORMATION TECHNOLOGY PROGRAM

**CAPSTONE 2**

**SYSTEM CHECKING**

**Project Title: PilarEase: A Guidance Counselling Support System**

**Proponents: Lim, Derwin H. Lim , Therese C. Sulaiman Khadaffe A.**

|  |  |  |
| --- | --- | --- |
| **RECOMMENDATIONS** | **Action Taken** | **Signature** |
| **Appointment Module** | | |
| For users: | | |
| * Enables the students to browse available schedule of the guidance counsellor, aside from that they can view a calendar with available appointment (those not occupied or reserved by counsellor). |  |  |
| * Manage Appointment: Students can choose an open slot and confirm the appointment. |  |  |
| * Provide a Edit or cancel functions for upcoming appointments within a specified time limit (e.g., 24 hours before the appointment). |  |  |
| * Receive a notification in the interface and also provide a email that students appointment confirmed by guidance counsellor. |  |  |
| For Guidance Counsellors: | | |
| * Enables to provide updates or cancellations from counsellor. Aside from that, they can also view past appointments for reference. |  |  |
| * Feedback System: Allow users to provide feedback or rate their experience post-session. |  |  |
| * Calendar Management: Add, block, or modify available schedule to control when appointments can be scheduled. |  |  |
| * Appointment Requests: View all upcoming appointments and accept or decline user-initiated appointments. |  |  |
| * User Management: Access user information relevant to the appointments, such as time and personal details |  |  |
| * Notifications: Be notified of new appointment, cancellations, or changes made by users. |  |  |
| **Register Module** | | |
| * Provide a function drop down for the Year Level |  |  |
| **Chat Module** | | |
| Answer Analysis Submodule: | | |
| * Answer Categorization: Classify chosen answers into predefined categories (e.g., stress, confidence). |  |  |
| * Insight Generation: Calculate metrics like high-stress frequency, average confidence levels, etc. |  |  |
| Student Profile Submodule: | | |
| * Profile Overview: Display personal details (e.g., name, year level, contact info). |  |  |
| * Chosen Answers Summary: Group answers by category and show metrics (e.g., stress level trends). |  |  |
| Visualization Submodule: | | |
| * Metrics Summary: Display key data points (e.g., percentage of students with high stress). |  |  |
| * Trends and Analysis: Visualize data with charts (e.g., bar, line, and pie charts for stress and confidence levels). |  |  |
| * Filters and Export: Filter data by date, demographics, and categories; export insights to CSV or PDF. |  |  |
| **User Analysis** | | |
| For Guidance Counsellors: | | |
| * User Analysis - View the latest emotion status of a specific user. Identify critical or concerning emotional states that might need immediate attention. |  |  |
| * User Emotional Monitoring: Display the user's most recent status and their history and emotion. |  |  |
| * Emotion Trends: Graph showing fluctuations in the user's emotional states over time (e.g., weekly or monthly). |  |  |
| * Emotion Comparison: Compare the latest status with the user's average emotions across all statuses. |  |  |
| * Critical Emotion Alerts: Highlight significant deviations (e.g., sudden spike in negative emotions like anger or sadness) |  |  |
| * Emotion Insights for Counselors: Keyword Extraction: Analyze the language used in statuses to detect patterns or triggers. |  |  |
| * Contextual Data: Show related metrics like frequency of statuses, average time between posts, and significant changes. Flagged Content: Identify statuses with sensitive or profane content automatically. |  |  |
| **Document Recommendations** | | |
| * Provide a clear DFD for chat module |  |  |
| * Provide a clear topic inside the chapter 3 that talks about the datasets and how the computations work |  |  |