

EASTERN VISAYAS STATE UNIVERSITY



ORMOC CAMPUS

INFORMATION TECHNOLOGY DEPARTMENT

Bachelor of Science in Information Technology

TITLE PROPOSAL

JABIS: Your Personalized Voice Assistant for Academic and Task Organization

IT 373A Event Driven Programming

Semester 1 st SY: 2024-2024

Date

10/14/2024

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YEAR & SECTION: BSIT-3C
DATE: 10/14/24

I. Introduction

In today's fast-paced world, students often struggle to manage their time and tasks effectively. At Eastern Visayas State University, many students find it challenging to keep track of assignments, deadlines, and personal commitments. To address this issue, we are developing Assistant JABIS, an assistant designed to help students stay organized and save time.

Assistant JABIS will offer features like a to-do list that can be managed using voice commands, a basic calculator for quick math, a music player, an alarm system, and the ability to train the assistant for personalized responses. By using this tool, students can easily manage their tasks, focus on their studies, and make the most of their time at university. The goal is to create a user-friendly experience that empowers students to succeed academically and personally.

II. Project Objectives

The primary objectives of the Assistant JABIS project are:

- **Develop an Assistant:** Create a user-friendly assistant that helps students manage their tasks efficiently.
- **To-Do List Management:** Implement a speech-enabled to-do list feature that allows users to add, update, and delete tasks. When the laptop starts and the system opens, the assistant will automatically announce the tasks for the day in order based on the entered dates and deadlines.
- **Basic Calculator:** Provide a simple calculator that uses speech commands to add numbers and perform basic calculations.
- **Open New Tab:** Allow users to open a new browser tab via voice commands.
- **Music Playback:** Integrate a feature that lets users play their favorite music through voice commands.
- **Alarm System:** Include an alarm feature that users can set, with options to add, update, and delete alarms from the database.
- **User Interaction:** Ensure that the assistant provides feedback and communicates effectively with users, enhancing the overall user experience.