UNIVERSITY OF CALOOCAN CITY

Biglang Awa St. cor. Cattleya St., 12th Avenue East, Caloocan City

COMPUTER STUDIES DEPARTMENT

Thesis/Capstone Proposal No. 1

MEMBERS/COURSE/YEAR/SEC.

BSIS – 4A

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THESIS/CAPSTONE TITLE:

Internflo (Interns' Future Leads to Opportunities): Bridging University of Caloocan City Students with Internship Opportunities

PROJECT CONTEXT:

Internflo is an internship portal designed to connect University of Caloocan City students with internship opportunities that match their courses and qualifications using Google Map API and NLP. It also includes an OJT Monitoring System for OJT advisors to help track students' internships. The platform assists students in finding suitable internships by aligning their skills and education with company requirements.

1. **General Objective**

   This Internship Portal connects University of Caloocan City and companies, making it easier for UCC students to find internship opportunities that match their skills and help them enter the right industry. The portal also benefits UCC by linking students with companies that need interns.

- **Specific Objectives**

1. To develop an interface for students to create profiles and upload resumes.
2. To enable video conferencing and chat features for communication between students, OJT coordinators, and companies.

3. To integrate a matching algorithm that pairs students with internships based on their courses and skills.
4. To provide tools and resources for students to prepare for internship applications and interviews.
5. To enable companies to post internship opportunities.
6. To facilitate communication between University of Caloocan City Students and companies regarding students seeking internships.

- **Scope**

1. The system will use email and OTP verification.
2. The system will also have a password less authentication which allows users to login their account without typing their passwords.
3. The system allows access for students from various fields within the University of Caloocan City.
4. The system will integrate email verification for registered email on the system.
5. The system allows students to submit their weekly reports, documents, and daily time records that both UCC and company can access.
6. The system allows students to explore internship opportunities on a map (using Google Maps API Integration)
7. The students can create or edit their resumes within the system and can also upload and print it.
8. The students can upload their cover letter if it is one of the requirements of the employer.
9. The system will provide a user interface for the employer which controls the application process and internship opportunities.
10. The system allows OJT coordinators to monitor the weekly tasks and daily time record of the students.
11. The system is using NLP (Natural Language Processing) to match students with internships applicable for their programs and skills.
12. The system will have the dashboard of the reports of data circulating within the system.
13. The system can provide an online interview through video conferencing.
14. The system will have chatbots powered by AI.

15. The admin can manage internships posted in the system.
16. The system will have templates for the formal letters needed by the interns and employers.
17. The system has templates for the certificate of completion of the interns.

- **Limitation**
  1. The platform will focus solely on internships and not cover full-time job placements or other types of employment.
- **Detailed Functionalities including the users**

  1. Students

  • Create and manage profiles

  • Upload resumes

  • Search and apply for internships

  • Communicate with OJT advisors and company recruiters

  • Submit weekly reports and daily time records

  • Access resources for interview preparation

  2. OJT Advisors

  • Track student progress and performance

  • Conduct virtual meetings with students

  • Access and review student reports and time records

  • Communicate with students and company recruiters

  3. Company Recruiters

  • Post internship opportunities

  • Review student applications

  • Conduct virtual interviews

  • Communicate with students and OJT advisors

  4. System

  • Match students with internships using NLP

  • Integrate Google Maps API for location-based internship search

  • Facilitate video conferencing and chat features

  • Generate reports and analytics

- **Budget**

  Php 200,000.00
- **Model of the device/s included in the proposed project / Prototype (XD / Figma)**
- **Provide an IPO diagram (Input – Process – Output)**

  Input:

  • Student profiles and resumes

  • Company internship postings

  • Course and skill information

  • Location data

  Process:

- User Registration
- Internship matching
- Application Process
- Communication
- Feedback collection

Output:

- Internflo (Interns' Future Leads to Opportunities): Bridging University of Caloocan City Students with Internship Opportunities

REASON(s) / JUSTIFICATION(s) IN CHOOSING THE PROJECT:

The project addresses the critical challenge of efficiently connecting students with internship opportunities that match their skills, qualifications, and preferences. Its primary purpose is to eliminate mismatches between student abilities and internship requirements, while also simplifying the management and monitoring of internships for both students and advisors. By utilizing technologies such as Google Maps API and NLP, the platform ensures that students can easily find internships that are not only well-suited to their academic background but are also geographically convenient, allowing them to choose opportunities near their location. This makes the internship process more accessible and efficient for all users involved, ultimately creating an experience that bridges the gap

between students and industry.

Give at least (5) evidences that your proposed project is workable (feasible)

1. Utilization of existing technologies like Google Maps API and NLP for core functionalities.
2. Focus on a specific target audience (University of Caloocan City students).
3. Integration of common features like video conferencing and chat systems.
4. Addressing a real need in the education and employment sectors.
5. Scalable design that can potentially expand to other universities in the future.

EXPECTED CONTRIBUTIONS TO THE GROWTH OF KNOWLEDGE IN INFORMATION TECHNOLOGY:

- **Emphasize on the contribution of knowledge your project can give once it has been developed.**

  1. Integration of NLP for more accurate matching of students with internships.
  2. Utilization of Google Maps API for location-based internship searches.
  3. Comprehensive OJT monitoring system that combines communication tools, progress tracking, and evaluation metrics.
  4. Seamless integration of video conferencing and chat features for multiple user types within a single platform.
  5. Development of a specialized platform that bridges the gap between academic institutions and industry, potentially serving as a model for similar systems in other regions or countries.

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Approved by:

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Coordinator's Name

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