



COLLEGE OF COMPUTER AND INFORMATION SCIENCE

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**Academic Year 2024 – 2025**

## **IT PRACTICUM FINAL REPORT**

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Practicum Adviser: Adomar L. Ilao

Submitted to the Faculty of Mapua Malayan Colleges Laguna  
In Partial Fulfillment of the Requirements for the degree of

Bachelor of Science in Information Technology

## **Overview of the Company**

The City Government of Biñan is responsible for managing and improving the city's operations and public services, including health, education, infrastructure, and safety. A key department is the Information and Communications Technology Office (ICTO), which oversees the city's IT infrastructure and digital systems.

ICTO handles a wide range of responsibilities such as maintaining internal systems, managing networks and servers, providing technical support, and leading digital solutions that improve government services. They also develop customized systems to help various departments automate processes and operate more efficiently.

Through our practicum, we had the opportunity to be part of the ICTO team and engage in real-world IT work. This allowed us to apply our skills in system development, testing, documentation, and project coordination. The experience gave us a deeper understanding of how technology supports local governance and enhances service delivery to the public.

## **Vision**

### *CITY GOVERNMENT OF BIÑAN*

A modern and developed City where its responsible people are proud of their cultural, historical and artistic heritage; enjoy peace and security, economic stability, social justice, preserved environment, accessible quality education, responsive social services, well-planned infrastructure facilities all anchored on good governance thus making the City of Biñan as the Premiere Heritage and Trade Capital of the South, the best place to live, work and visit.

### *INFORMATION & COMMUNICATIONS TECHNOLOGY OFFICE*

To lead the digital transformation and drive innovation in the city, using the power of information and communications technology to provide excellent public services.

## **Mission**

### *CITY GOVERNMENT OF BIÑAN*

The leadership of the city of Biñan is committed to exercise its mandate to:

1. Promote social order and ensure public safety;
2. Enhance economic prosperity through job generation, manpower and skills development, encourage and support local industries and its expansion;
3. Guarantee social justice by way of ensuring basic services and equal opportunities;
4. Deliver accessible and quality healthcare services;
5. Protect and maximize the utilization of environment and natural resources towards the attainment of a disaster-resilient community;
6. Ensure access to free and quality education to prepare our youth to be globally competitive;
7. Support gender sensitivity, responsiveness and equality;
8. Provide modern and needed infrastructure facilities;
9. Preserve, conserve and nurture its cultural, historical and artistic heritage toward sustainable tourism; and
10. Increase collection efficiency through reasonable taxes, fees and charges, and ensure sound fiscal management.

### *INFORMATION & COMMUNICATIONS TECHNOLOGY OFFICE*

To provide secure and reliable solutions through system development and IT infrastructure management.

To provide excellent services through ICT support, graphic design and ICT literacy training.

### **Company Background**

The City Government of Biñan, located in Laguna, is the local authority tasked with providing essential programs and services to its residents. It operates through various departments focused on infrastructure, education, disaster response, healthcare, and community development.

Among its vital offices is the Information and Communications Technology Office (ICTO), which plays a central role in managing and enhancing the city's digital infrastructure. The ICTO supports the LGU's internal functions by delivering technical support, developing systems, and maintaining IT infrastructure. It also creates customized digital solutions to streamline departmental processes, enabling faster, more transparent, and efficient public service.

With Biñan's continued progress toward digital transformation, the ICTO remains committed to modernizing government operations through innovative and responsive technology solutions for both employees and constituents.

### **Discussion of the Nature of Tasks**

During our practicum, our main task was to assist in developing and enhancing the City Government of Biñan's official website. We used Visual Studio Code as our primary code editor and built the site using the CodeIgniter 4 framework, which allowed us to efficiently manage the back-end and organize the project using the MVC (Model-View-Controller) structure. Our responsibilities included designing a responsive user interface, managing routes and controllers, inserting and formatting dynamic content, and ensuring a smooth user experience. We also integrated HTML, CSS, PHP, and MySQL to support the site's functionality. Throughout the project, we responded to feedback from our supervisor and other departments, applying changes to improve performance, accessibility, and visual consistency. This experience allowed us to apply our technical knowledge in a real-world environment and deepen our understanding of full-stack web development within a government setting.

### **Software Used**

- Visual Studio Code (code editor)
- CodeIgniter 4 (PHP framework)
- XAMPP (local server environment)
- MySQL (database)
- phpMyAdmin (database management interface)
- HTML
- CSS

### **Hardware Used**

- Lenovo IdeaPad L3 15IML05

### **Software Development Outputs**

Our software development outputs primarily focused on delivering a functional and well-structured website for the City Government of Biñan. These outputs included a responsive user interface, organized page layouts, dynamic content integration, and backend functionality built using CodeIgniter 4. We also produced supporting materials such as system documentation, database structures, and user access controls. These deliverables

demonstrated our ability to apply development tools and frameworks to create practical solutions that support real-world operations.

### **Scope of the Project**

The scope of our project covers the design, development, and deployment of the official website for the City Government of Biñan. The project includes creating a responsive and user-friendly interface, integrating dynamic content, and developing core functionalities using CodeIgniter 4 and MySQL. It also involves setting up an organized site structure to accommodate various departments and services, ensuring accessibility, and optimizing for both desktop and mobile use. The project further includes system documentation, basic content management features, and coordination with stakeholders to meet the city's branding and informational requirements.

### **Screen of the Features**

Sample screenshots of the Website (Home Page)





## NEWS & ANNOUNCEMENTS

News and Events

Announcements



Jun 05, 2025

### Potato Corner

Bili na oo kava...



Jun 05, 2025

### Starbucks LOST a "Loyal" Customer Today!

Starbucks has always been my go-to place to



Jun 05, 2025

### test

test...

Tralalel  
tralala

### Barangays

Explore all 24 barangays of Biñan City

[→ VIEW](#)

### Departments

Connect with the city government offices & services

[→ VIEW](#)

### eServices

Access the city online transactions

[→ VIEW](#)

### Careers

Find job opportunities & career openings

[→ VIEW](#)

## Hotlines

SEE ALL

	INTELCO	PLDT	MOBILE
Negosyo Center	111-111	523-5104	
Public Cemetery	511-8499	-	
Department of Social Welfare and Development (DSWD)	513-5041	523-5415	
Department of the Interior and Local Government (DILG)	513-5032	523-5436	
Department of Education (DepEd)	511-6446	-	
Commission on Election (COMELEC)	513-5100	-	



## Mayor's Corner

Welcome to the Mayor's Corner! This section is dedicated to providing the latest updates, messages, and information directly from the Mayor of Bifan City. Explore this corner to learn more about our Mayor's profile, achievements, and ongoing efforts to enhance the quality of life for all residents.

[Go to Mayor's Profile](#)

Negosyo Center  
 Public Cemetery  
 Department of Social Welfare and Development (DSWD)  
 Department of the Interior and Local Government (DILG)  
 Department of Education (DepEd)  
 Commission on Election (COMELEC)

INTELCO	PLDT	MOBILE
III-III	523-5104	-
511-8499	-	-
513-5041	523-5415	-
513-5032	523-5436	-
511-6446	-	-
513-5100	-	-



### Quick Links

- Home
- About
- History
- Maps
- Barangays
- Departments
- City Officials
- Careers
- Jobs
- eServices
- Invest
- Full Disclosure Policy

### Contact Us

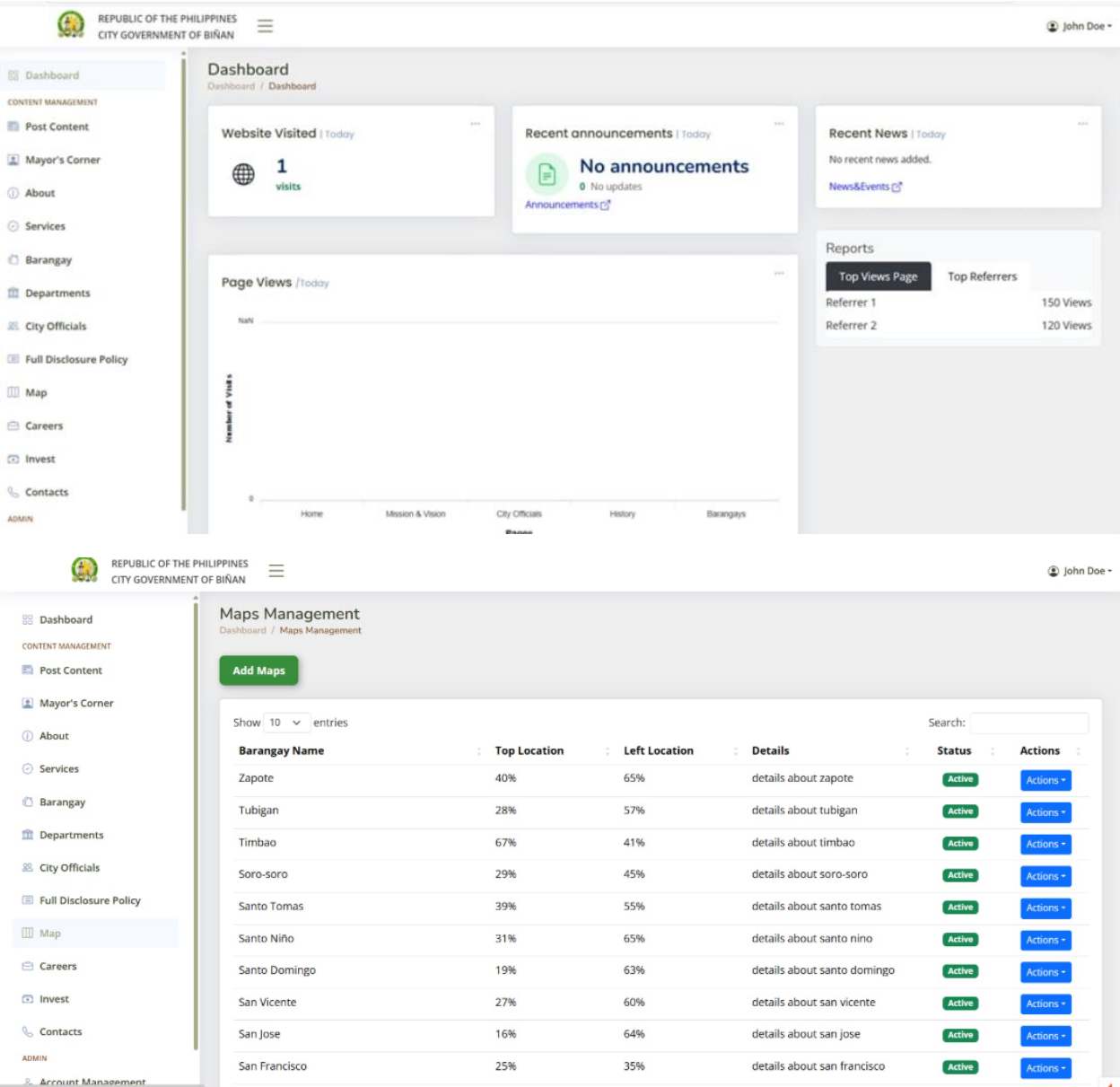
- 838H+3V2, San Pablo St., Bifan, Laguna
- Local: +639 12 3456 789
- Landline: (049) 123 4567
- Hotlines
- Contact

### Government Links


- Office of the President
- Office of the Vice President
- Senate of the Philippines
- House of Representatives
- Supreme Court
- Court of Appeals
- Sandiganbayan



(Admin)







REPUBLIC OF THE PHILIPPINES  
CITY GOVERNMENT OF BIÑAN

John Doe

Dashboard

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ADMIN


Account Management

Add City Official

Show 10 entries

Search:

Rank	Official Name	Position	Years of Service	Personal Data	Projects	Picture	Status	Actions
-	Atty. Walfredo "Arman" R. Dimaguila Jr.	CITY MAYOR	erere	erer	erere		Active	Actions
-	Hon. Angelo "Gel" B. Alonte	CITY VICE MAYOR	2007 to 2009	were	rere		Active	Actions
-	Hon. Geminiano "Manong" B. Catalon	ABC PRESIDENT	201231323	32323	2323		Active	Actions
-	Hon. Alonzo Kyne S. Garcia	SK FEDERATION PRESIDENT	0				Active	Actions



REPUBLIC OF THE PHILIPPINES  
CITY GOVERNMENT OF BIÑAN

John Doe

Dashboard

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Barangay Management

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Search barangay...

Search captain...

- Status -

Search





Clear Filters

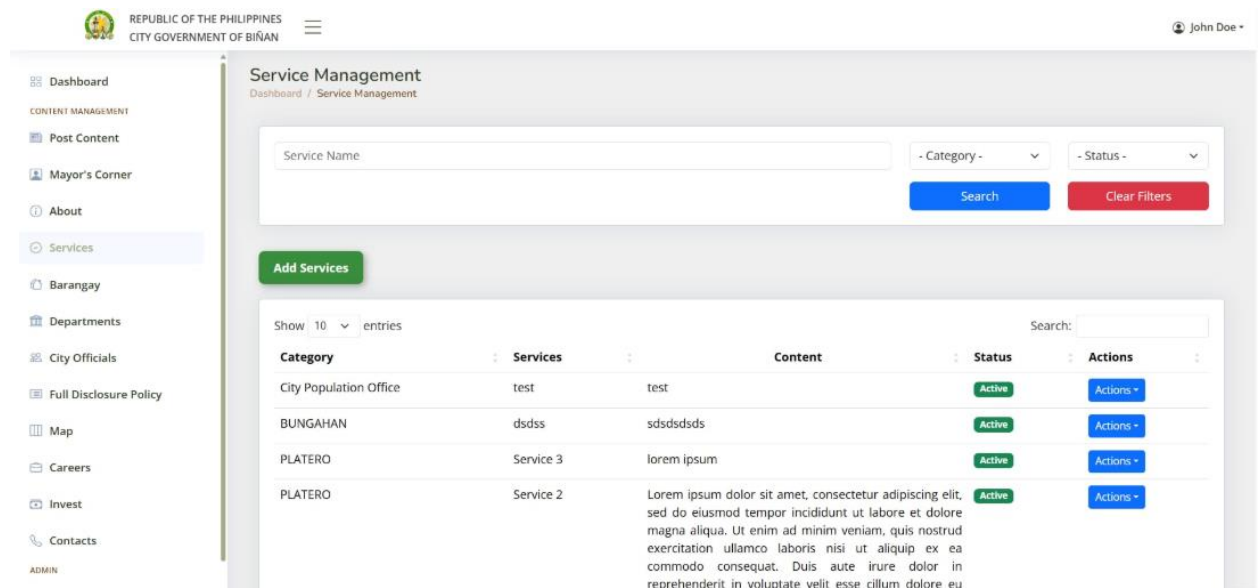
Add Barangay

Add Barangay

Show 10 entries

Search:

Barangay	Logo	Captain	Captain image	Status	Actions
MARTIN		MARTIN		Active	Actions
hatdog		808		Active	Actions



## Discussion

The project focused on developing the official website of the City Government of Biñan to enhance the delivery of information and services to the public. Using tools such as Visual Studio Code, CodeIgniter 4, MySQL, and XAMPP, we designed and built a responsive, user-friendly platform that aligned with the city's branding and organizational structure. Our tasks included designing the layout, developing backend functionality, integrating dynamic content, and ensuring smooth navigation. We collaborated closely with the ICTO team and responded to feedback to improve the site's quality and performance. This experience allowed us to apply our technical skills in a real-world setting and gain a deeper understanding of how software development supports efficient and transparent public service.