

A NARRATIVE REPORT

Presented to
the faculty of College of Computer Studies
University of Rizal System
Binangonan, Rizal

In Partial Fulfillment
of the Requirements for the Degree in
Bachelor of Science in Information Technology

Jared Son G. Vicente

April 2025

**CERTIFICATE OF
COMPLETION**

APPROVAL SHEET

This practicum prepared and submitted by **JARED SON G. VICENTE**, in partial fulfillment of the requirements for the degree in Bachelor of Science in Information Technology, is hereby endorse for approval.

RICHELLE E. GO, PhD (Cand)

SIPP Coordinator

Date

Accepted and approved in partial fulfillment of the requirements for the degree in Bachelor of Science in Information Technology.

JOY SG. CRUZ, PhD

Dean, College of Computer Studies

Date

ACKNOWLEDGEMENT

The student-intern would like to reach out her most profound appreciation to those individuals who had made a significant impact and contribution in the completion of this narrative report and internship experience.

First and foremost, to GOD ALMIGHTY, for the knowledge, intelligence, boldness, and strength to wrap up this narrative and internship.

DR. JOANNE S. CONCEPCION, the Campus Director, for the continuous support, and encouragement to the students of the university.

DR. JOY SG. CRUZ, Dean of the College of Computer Studies, for allowing the students to have this opportunity to learn from the internship program in order to enhance their skills and for the continuous support.

PROF. RICHELLE E. GO, the student-intern's internship professor and SIPP Coordinator for all the help, motivation, suggestions, and reminders from the beginning up until the end of the internship.

To MS. ERIKA JOYCE ABEDAJOS, for recommending Bapplware Technologies, Inc. and for her kind assistance in helping us secure our internship placement with the company.

BAPPLWARE TECHNOLOGIES, INC., the student-intern's internship company or Host Training Establishment (HTE) where the internship took place, for the chance and opportunity given to apply and enhance the skills needed in facing real-world scenarios in the IT industry, particularly.

To MR. ERNESTO A. SAN JOSE, the CEO of Bapplware Technologies, Inc., and to THE WHOLE TEAM, particularly the SUPERVISORS who handled the

student-intern all throughout the internship, for their unwavering support, guidance, knowledge, and expertise shared with the trainee.

To the FAMILY AND FRIENDS, who supported the student-intern, especially in financial needs and moral support.

DEDICATION

This narrative report is wholeheartedly dedicated to the student-intern's parents, family, friends, and everyone who has been a source of inspiration and strength throughout the course of this internship, and who continually provided moral, spiritual, emotional, and financial support.

To the entire Bapplware Technologies, Inc. team — particularly Sir Ernest, the CEO of the company, for the opportunity given to the student-intern; Sir Sherwin, for his kindness and patience during the training; Sir Edward, for being approachable and patient Team Leaders who provided constant guidance; and especially to Sir Jon, one of the team's Full-Stack Developers, for sharing valuable insights and knowledge, and for setting an inspiring example of what it means to be a truly skilled software developer.

To my fellow student-interns at Bapplware, thank you for the teamwork and collaboration that helped us succeed in developing the project.

Above all, this narrative report is dedicated to God Almighty for the wisdom, guidance, strength, protection, skills, and knowledge.

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Introduction

The Student Internship Program in the Philippines (SIPP) is a crucial part of a college student's academic journey. It enables students to apply their classroom knowledge in real-world settings, especially in the field of Information Technology (IT). For IT students, the internship offers valuable exposure to industry practices and helps prepare them for professional roles after graduation.

This narrative centers on the experience of a Bachelor of Science in Information Technology (BSIT) student who specialized in Quality Assurance (QA) testing and Business Analysis. As part of the graduation requirement, the student completed a 400-hour internship that allowed them to enhance their skills in system testing, requirement analysis, and API documentation. Motivated by a keen interest in understanding how systems function and how requirements are translated into actual software behavior, the student aimed to gain hands-on experience in identifying system issues and clearly documenting API specifications.

The student-intern actively sought an internship that would allow growth in both QA testing and business analysis. Their goal was to gain proficiency in testing software for bugs and inconsistencies, as well as in writing clear, user-friendly API documentation that supports development teams. By focusing on both testing and analysis, the student wanted to develop a well-rounded understanding of software quality and project requirements.

The internship took place at Bapplware Technologies Inc., the assigned Host Training Establishment (HTE). During the internship period, the student-intern was involved in real projects, where they participated in testing activities and contributed to writing API documentation based on system functionalities and user

requirements.

In conclusion, the Student Internship Program in the Philippines (SIPP) significantly contributed to the growth and development of the student-intern. By focusing on QA testing and business analysis particularly API documentation they were able to strengthen their technical and analytical skills. The experience provided a strong foundation that will help them transition from being a student to becoming a competent professional in the IT industry.

History of the Company

Mr. Ernesto A. San Jose, CEO and founder of Bapplware Technologies Inc., has been a fervent advocate for technological advancement, particularly in the realm of software development. His initial creation, PAYW1ZARD, a software designed to streamline and assist with company payroll processes, catalyzed the need for a dedicated organization to provide software as a service.

This realization led to the formation of Bapplware Technologies Inc., a name derived from the shorthand for business application software, reflecting the company's core focus on delivering business solutions through software.

Established in Pampanga on March 1, 2015, Bapplware Technologies Inc. was initially a partnership among five founders, including Mr. San Jose, who first operated out of a modest section of a house. Recognizing the strategic advantage of proximity to a broader client base, the company soon expanded to include satellite offices in Metro Manila. In 2018, Mr. Manny Reyes provided seed funding that was crucial for the growth of the business. Although originally providing desktop applications, the shift in market demand towards web-based systems during the pandemic prompted Bapplware to transition its offerings. This shift involved adapting the original desktop applications' algorithms and logic to suit the new web-based platforms, ensuring the company remained responsive to the

evolving needs of its clients and adapting to the latest demands and trends in the realm of technology.

Site and Location

Bapplware Technologies, Inc. is located at 11th Floor, SM Aura Premiere Business Tower, McKinley Parkway, Bonifacio Global City (BGC), Taguig City, Metro Manila, 1635. The figure below shows the site map of the company.

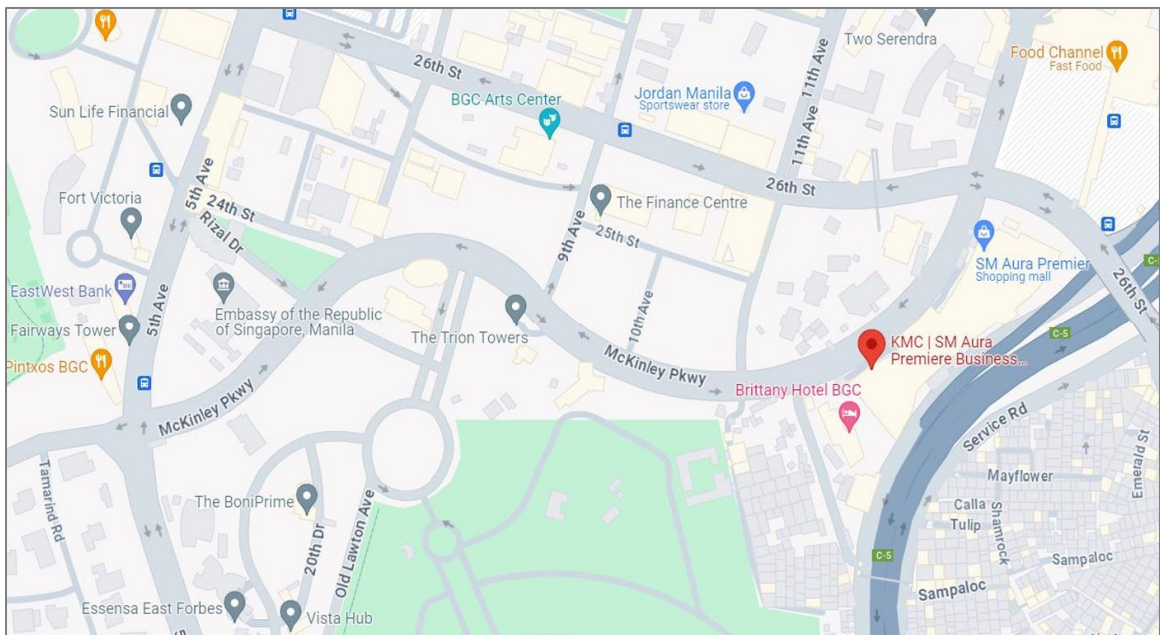


Figure 1

Site Map of the company address

Corporate Values

Bapplware Technologies, Inc. has its corporate principles revolve around the following core values.

- **ENHANCE:** Enhances business efficiency.
- **INNOVATE:** Continuous innovation, creating cutting-edge solutions through technology.
- **SIMPLIFY:** Simplifies complex operations and processes.

- **INTEGRATE:** Integrates sophisticated technologies to ensure seamless functionality.
- **PASSION:** Passion to pursue and ignite individual roles and interest within the team, igniting enthusiasm and drive.

Company's Objectives

The primary objective of Bapplware Technologies, Inc. is to delve deeply into industry and client-specific challenges to unlock critical insights that foster innovative solutions. By assembling the right mix of talent, the company aims to challenge conventional thinking and catalyze meaningful change across various sectors. Additionally, the company is committed to enhancing organizational capabilities, thereby enabling clients to secure a sustainable competitive advantage in their respective fields. Lastly, by keeping abreast of the latest technological advancements and anticipating future trends, the company strives to provide customized, flexible, and cost-effective solutions that precisely meet the evolving needs of its clients

Company Code on Employee Discipline

The code on employee discipline of Bapplware Technologies, Inc. is part of the company's confidential information and is not available for disclosure in this narrative report.

Narration of Experience

The internship experience at Bapplware Technologies, Inc. unfolded as an exciting journey that helped the student-intern develop new skills and knowledge. As a Back-End Developer Intern, the position perfectly matched the student intern's interests and career goals, creating an engaging and productive learning environment.

Throughout the internship journey, The internship began with a two-week training program focused on back-end development practices. This training built a solid foundation in the company's technology stack and development approach. During this time, the student-intern learned the basics of API development, database management, and server-side programming that would be essential throughout the internship.

A significant part of the training focused on Postman, which is widely used for API testing and documentation. The student-intern learned to use Postman to test API endpoints, check responses, and ensure back-end services worked properly. Creating test cases was also covered, which is essential for building reliable APIs. Through hands-on practice and guidance from experienced developers, the student-intern became proficient at designing test scenarios that covered different situations and potential problems.

After completing my initial training at Bapplware Technologies Inc., I officially began my internship journey by working on a real-world project called the HRP-API Project. This project became a turning point in my internship experience as it allowed me to apply the skills I had developed in school, particularly in API documentation, quality assurance testing, and business analysis.

My primary responsibility was to assist in documenting RESTful APIs for the company's human resource management system. Using Postman, I created and organized API collections, defined request and response formats, and ensured that endpoints were clearly structured, tested, and aligned with RESTful standards. This task deepened my understanding of how APIs function, how systems communicate with one another, and how important proper documentation is for both developers and testers.

I collaborated closely with Business Analyst interns, where I helped convert business requirements into technical API documentation. This process taught me how to read and interpret system requirements and translate them into a format that developers could easily follow. Through hands-on experience, I also learned how to create mock responses, test APIs, validate parameters, and write tests using Postman's built-in scripting features. As I worked on documenting and testing APIs, I was introduced to several tools that are essential in professional development environments.

For project tracking and task management, the team used Trello. This tool exposed me to the Agile methodology, particularly in how development teams manage sprints and organize workloads. I took part in daily stand-up meetings and sprint planning sessions, which helped me learn how to prioritize tasks effectively and manage my time based on project timelines. It was here that I began to fully appreciate the structure behind software development and how every team

member's role contributes to the overall progress.

Bapplware Technologies followed a hybrid work setup, which allowed me to experience both remote and in-office work. Working remotely pushed me to become more self-disciplined, focused, and proactive in communicating with the team. Meanwhile, during in-office days, I had the opportunity to work directly with the CEO and other team members. These face-to-face interactions included pair programming, collaborative debugging, and feedback sessions, which greatly contributed to my growth.

Aside from the technical skills I gained, I also developed important soft skills. Throughout the internship, I worked alongside frontend developers, backend developers, QA testers, and business analysts. This exposure taught me how to work within a team, handle constructive feedback, and adapt quickly to different working styles. Daily reporting and regular discussions improved my interpersonal communication and allowed me to build strong professional relationships with my colleagues.

Completing the required 400-hour internship was not just a step toward graduation—it became a meaningful part of my academic and professional growth. By contributing to actual projects and experiencing the complete development cycle from planning to documentation and testing, I developed a better understanding of how the industry works. In conclusion, my internship at Bapplware Technologies provided me with real-world exposure to API documentation, QA testing, and business analysis. The experience bridged the gap between theory and practice, and gave me a solid foundation for my future career in the IT industry. I am grateful for the opportunity to grow, contribute, and learn in an environment that supports both technical and personal development.

Problems Encountered

During my internship at Bapplware Technologies Inc., I was fortunate to work in a collaborative and supportive environment, which made it easier to overcome the challenges I faced along the way. Although there were no major problems, I did encounter some difficulties, especially as I was adjusting to the standards and expectations of working on real-world projects.

One of the most notable challenges I faced was related to standardizing API documentation. As someone who was still growing in the field of QA testing and business analysis, I initially struggled with maintaining consistent documentation formats, particularly when it came to naming conventions. For example, I sometimes mixed camelCase and kebab-case styles in endpoints and parameters, which led to inconsistencies and confusion during API testing and development.

Additionally, there were times when certain API endpoints did not work as expected, either due to misconfigured requests, incorrect parameter naming, or misunderstandings of the expected response structure. These issues taught me the importance of attention to detail, especially when documenting and testing RESTful APIs. I had to review documentation thoroughly, test endpoints multiple times using Postman, and collaborate with the team to ensure everything aligned with the standards set by the company.

Working in a hybrid setup also introduced its own set of challenges. On days when I worked remotely, I had to develop better self-discipline and time management to stay productive and meet deadlines. I also needed to improve my communication skills, especially when seeking help or clarifying requirements, since I could not always approach someone in person. Learning how to explain technical concerns clearly through chat or video calls became a valuable part of my growth.

Despite these challenges, the team at Bapplware Technologies was always

ready to assist. Whether it was clarifying business requirements, explaining development logic, or reviewing documentation together, their guidance turned each obstacle into a learning opportunity. Every issue I encountered—no matter how small—became a chance to sharpen my skills and build the confidence needed for future projects.

In the end, overcoming these challenges contributed significantly to my development as an aspiring QA tester and business analyst. I gained a deeper appreciation for industry standards, the value of precision in documentation, and the importance of continuous communication within a development team.

Recommendations

Drawing from the student-intern's experience at Bapplware Technologies, Inc., several recommendations can be made to improve future internship experiences in the development field.

Firstly, educational institutions should strengthen partnerships with tech companies like Bapplware Technologies to offer students valuable internships that effectively connect theoretical knowledge with real-world application. Secondly, internship programs should continue to balance initial training with hands-on project work, as this approach proved to be beneficial for the student-intern's learning experience.

Thirdly, the hybrid work model adopted by Bapplware Technologies should be preserved for future internships, as it helped the student-intern develop self-discipline for remote work while also benefiting from in-person collaboration. Fourth, exposure to industry-standard tools such as Git, Trello, Postman, and Docker should remain a key aspect of technical internships, as these tools played a crucial role in enhancing the student-intern's professional skills.

Fifth, companies should continue fostering a supportive environment where interns can ask questions and receive guidance when tackling technical challenges, as this helps turn difficulties into learning opportunities. Finally, educational institutions might consider incorporating more practical lessons on tools and technologies commonly used in the industry, such as API development platforms, Git, Trello, and Docker, to better equip students for their internships and future careers in the tech sector.

APPENDICES

Appendix A

Recommendation Letter



Republic of the Philippines
UNIVERSITY OF RIZAL SYSTEM
Province of Rizal
www.urs.edu.ph
www.urs.edu.ph/ursmain@gmail.com
URS Tanay-Main Campus Tel: (02) 401-4900

OJT and PLACEMENT UNIT
ojtplacementunit@gmail.com/(02) 584-5283/359-8975

INTERNSHIP RECOMMENDATION LETTER

Januray 16, 2025

MR. ERNESTO SAN JOSE

President

Bapflware Technologies Inc.

11th Floor, SM Aura Business Tower, 26th Street, McKinley Parkway, Taguig City

Dear Mr. San Jose:

Greetings in the name of peace and good tidings!

The bearer, **MR. JARED SON G. VICENTE** is a student in the University of Rizal System and presently enrolled in the **IT 21 - Practicum**. This subject is a pre-requisite academic requirement leading to an undergraduate degree, **Bachelor of Science in Information Technology**.


As part of the requirements in this subject, he is required to render **400** Internship hours to your institution within the **2nd Semester, AY 2024 – 2025**. This will expose the student to the myriad demands that face **Bachelor of Science in Information Technology** practitioners, and will provide a significant opportunity to apply the knowledge obtained through course work.

Relative to this, may I respectfully request your office to accommodate the said student to hold his internship in your office, and designate him immediate supervisor as mentor.

Your meritorious response regarding this matter is highly appreciated.

Thank you very much.

Very truly yours,


RICHELLE E. GO, PhD (Cand)
Coordinator, Student Internship Program

Noted by


JOY S. CRUZ, PhD
Dean, College of Computer Studies

URS-AA-PO-F-2018-05

Rev 00

Effectivity Date: October 08, 2018

"Nurturing Tomorrow's Noblest"

URS Angono
URS Antipolo
URS Binangonan

Tel 651-0346
Tel/Fax 697-5773
Tel 652-1018; Fax 652 3481

URS Cainta
URS Cardona
URS Morong

Tel 359-8776
Tel 359-8694
Tel/Fax 653-1735; 653-1082

URS Pililla Tel/Fax 654-4465
URS Rodriguez Tel 997-9765
URS Taytay Tel 664-6393

Appendix B

Parental Consent



Republic of the Philippines
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URS Tanay-Main Campus Tel: (02) 401-4900


OJT and PLACEMENT UNIT
ojetplacementunit@gmail.com / (02) 584-5283/359-8975


PARENTAL CONSENT FOR STUDENT INTERNSHIP

I hereby willingly and voluntarily give consent to Jared Son G. Vicente a Bachelor of Science in Information Technology student from College of Computer Studies, Binangonan Campus to undergo 400 hours of student internship at Bapplware Technologies Inc. from January 27, 2025 to April 25, 2025.

I have considered the benefits that my child will derive from undergoing internship, with the understanding that due care and precaution will be observed to ensure the comfort and safety of the intern/student to this activity and that I shall not hold the parties responsible for any untoward incident that may happen beyond their control.

Conforme:


Alicia G. Vicente
(Signature over Printed Name)
Parent/Guardian


Jared Son G. Vicente
(Signature over Printed Name)
Student Intern

Recommending Approval:


JOY S. CRUZ, PhD
Dean, College of Computer Studies

Approved:


JOANNE S. CONCEPCION, DBA
Director, Binangonan Campus

Appendix C

Acceptance Letter



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URS Tanay-Main Campus Tel. (02) 401-4900

OJT and PLACEMENT UNIT

o/jtplacementunit@gmail.com/(02) 584-5283/359-8975

CERTIFICATION OF ACCEPTANCE INTERNSHIP

This is to certify that **JARED SON G. VICENTE, Bachelor of Science in Information Technology / AY 2024-2025** student of University of Rizal System Binangonan Campus has been accepted for the **400 hours** in **IT 21 - Practicum** with the following details of internship:

Name of the Company	: <u>EMPLOYEE TECHNOLOGIES INC.</u>
Immediate Supervisor	: <u>FRANCIS VAN JOSE</u>
Division/Unit/Department	: <u>Software Development Department</u>
Tel. Nos.	: <u>09151913083</u>
Expected Start Date of OJT	: <u>January 30, 2025</u>
Expected End Date of OJT	: <u>April 25, 2025</u>
Reporting Schedule	: <u>8am</u>
	: <u>5pm</u>
Dress Code	: <u>Usual Corporate</u>

The company further agrees to mutually consult with assigned SIPP Coordinator or any authorized representative of the said institution to discuss the trainee's work progress and further affirms that the *Performance Rating Sheet* will be released three weeks before the end of the training and the Certification of Completion after the end of the specified training schedule.

Signed this 15 day of January, 2025, Mandaluyong,
Philippines.

Name and Signature of:

Authorized Officer

Designation

Office Address

Telephone Number/s

Email Address

FRANCIS VAN JOSE
PRESIDENT
10TH FLOOR, ROCKWELL BUSINESS CENTER, MANDALUYONG
09151913083
FRANCIS.VANJOSE@EMPLOYEE.CO

Have any agreements been made regarding the completion of the internship other than an internship report? ____ yes ✓ no.

If yes, what kind _____.

Working hours:

The weekly working hours are estimated to 40 hours including one (1) hour daily lunch break.

The working hours are placed on the following days Monday to Friday between 8:00 (am/pm) and 5:00 (am/pm).

Confidentiality:


The student is obliged to follow any instructions and regulations given by the contact person in the company or by the company management during the internship.


1. The knowledge, which the student requires on internal relations in the company, e.g. business, special knowhow and performance cannot be shared with other people and companies
2. The student's rights are similar to those of an employee with regard to the current law on employee inventions.
3. After the internship has ended, the student has to complete an internship report for the institute to evaluate. The report will be part of the university archive. The company is entitled to a copy and to use the findings internally in the company.
4. The SIPP Coordinator is also included by the confidentiality and cannot pass on any information about the company that she has acquired during the student's internship or through the report. The immediate supervisor is equally included by the confidentiality agreements.
5. The student can only publish the report or parts of it after a written agreement with the company. If the contract has failed to be fulfilled, all involved parties can annul the contract immediately. Termination of the contract has to be in writing to the other parties. The resigning party equally has to inform the internship office in writing.

Date: 1/25/26

Signatures:


Ms. Arlene San Jose
HTE Representative


Jared Son G. Vicente
Student Intern


Richelle E. Go, PhD (Cand)
SIP Coordinator

Appendix D

Memorandum of Agreement

Scanned copy of MOA if Available (Delete this)

Appendix E

Daily Time Record

Completed 440 hrs. dtr records with signature of immediate supervisor (delete this)

Appendix F

Performance Rating Sheet

Scanned copy of your Performance Evaluation Sheet (Delete this)

Appendix G

IT Seminar Certificates



Appendix H



Internship Orientation Certificate

Appendix I

Internship Pictures with Caption



Figure 2

A photo-op with the CEO, taken during the signing of the non-disclosure agreement at the Rockwell Sheridan Office



Figure 3

A photo taken during one of the on-site reporting work setups at the Rockwell Sheridan office

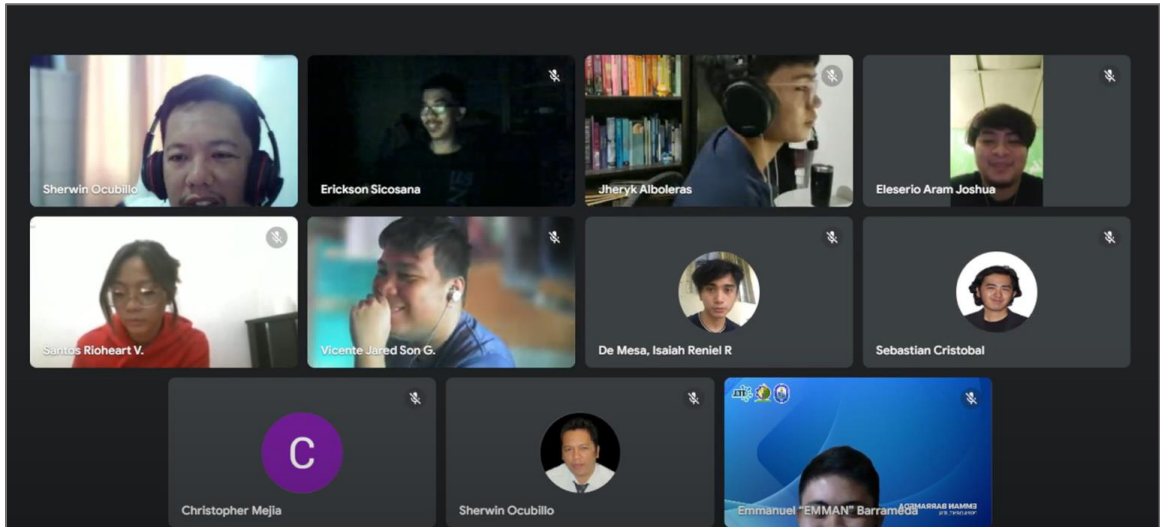


Figure 4

A photo taken during the Intern's Training with the Senior Developer in a hybrid remote work setup

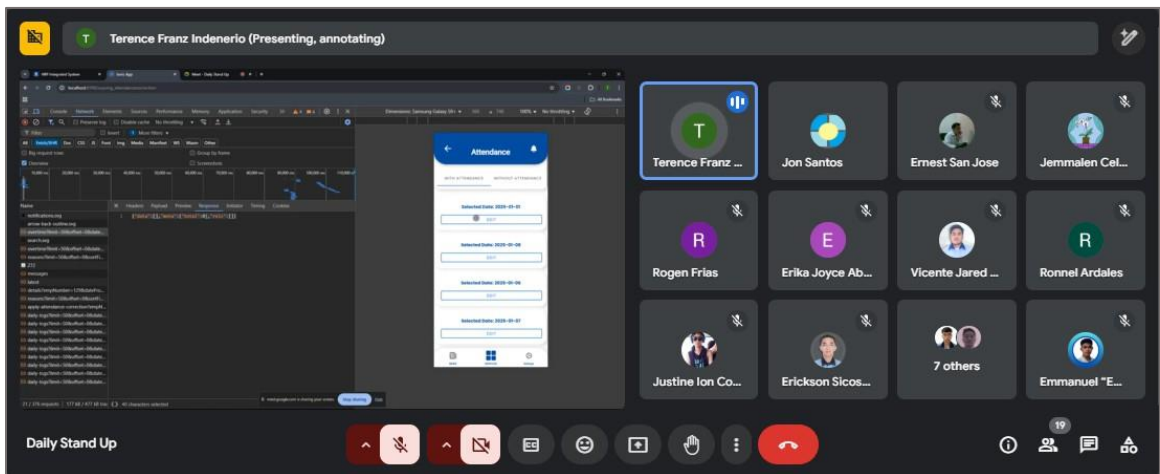


Figure 5

A photo taken during the Daily Stand-Up Meeting (DSU) with the team in a hybrid remote work setup

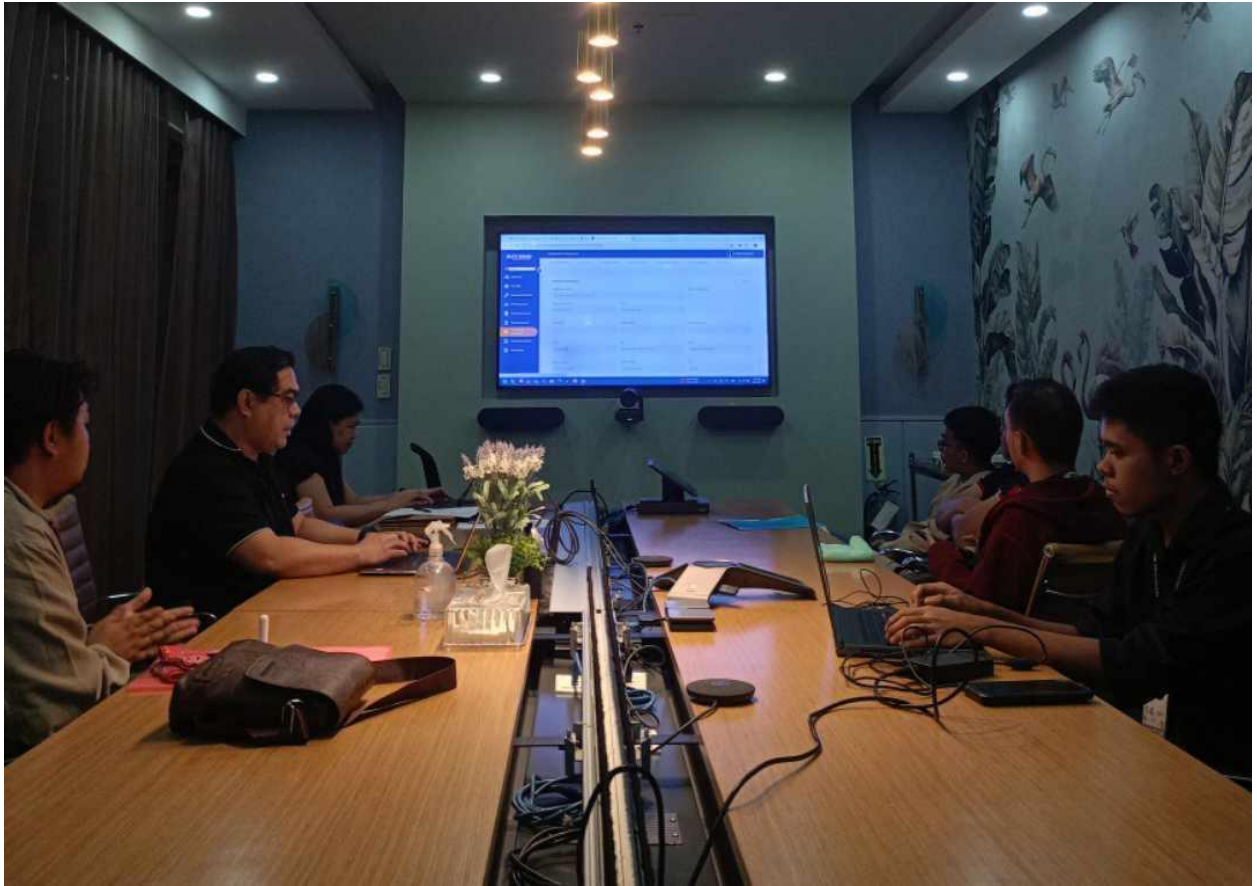


Figure 6

A photo showing the student-interns doing their individual tasks in an on-site working setup.



Figure 7

A photo taken during one of the on-site individual reports of tasks at the Rockwell Sheridan office.

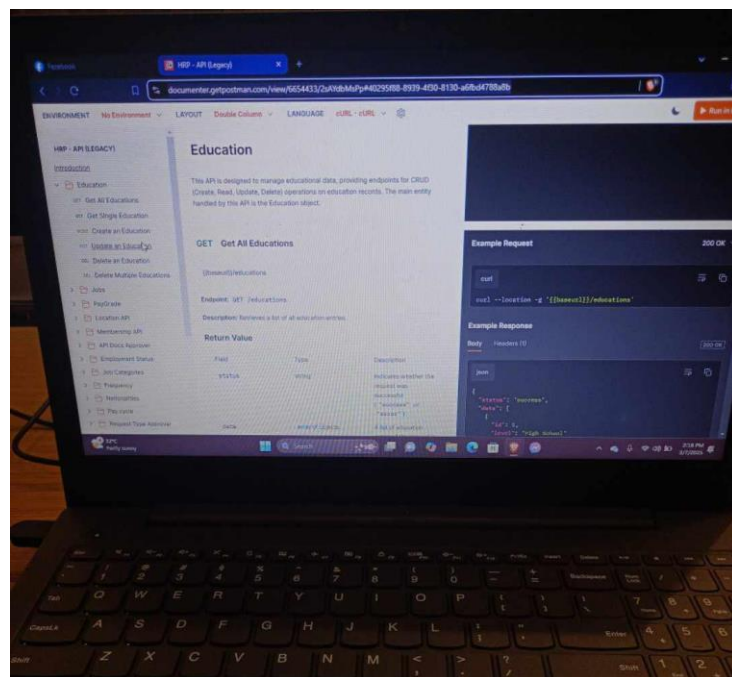


Figure 8

A photo taken during one of the on-site doing tasks at the Rockwell Sheridan office.

CURRICULUM VITAE

Jared Son G. Vicente

66b National Road, Muzon, Taytay, Rizal
jaredsonvicente1771@gmail.com



EDUCATIONAL BACKGROUND

	NAME OF SCHOOL	YEAR ATTENDED
College	University of Rizal System – Binangonan Course: BS. Information Technology	2021 – 2025
Senior High School	Golden Faith Academy Senior High School Track & Strand: ICT	2019 – 2021
Highschool	Muzon National High School	2015 – 2019
Elementary	Muzon Elementary School	2009 – 2015

SEMINAR AND TRAINING ATTENDED

Code Smarter, Not Harder: Boss Rod's Tips for Coding Success

February 1, 2025

Transforming UI/UX: Learning Design Principles with Figma

March 1, 2025

ORGANIZATION/S AFFILIATED

URSB-USSG Office of the Student Electoral Tribunal

Member, S.Y 2024 – 2025

URSB-CCS BSIT Students' League

Deputy Officer, S.Y 2023 – 2024

CCS Student Body

Member, 2022 – 2025