

DISTRICT II

Grad HON. ROBERTO L. ADVINCULA City Councilor HON. REPNALIO D. PALABRICA

City Councilor

HON, REYNALDO M. FARTAN City Councilor Li 983 8 Septe

HON, ROGELIO M. NOLASCO City Councilor

HON. ALDE JOSELITO F. PAGULAYAN City Countilor 10119 HON SIMPLICIO G/DOMINGUEZ

City Councilor -

HON. RANDY C. FRANCISCO Liga ng mga Barangay Vice-President elas HON. PALM ANGEL S. BUNCIO SK Federation President

Attested by: ATTY. KHALID A. ATEGA, JR.

Sangguniang Panlungsod Secretary

Certified by:

HON. ROWENA BAUTISTA-MENDIOLA City Vice Mayor

Noted by: HON, STRIKE B. REVILLA City Mayor

Co-Sponsored by:

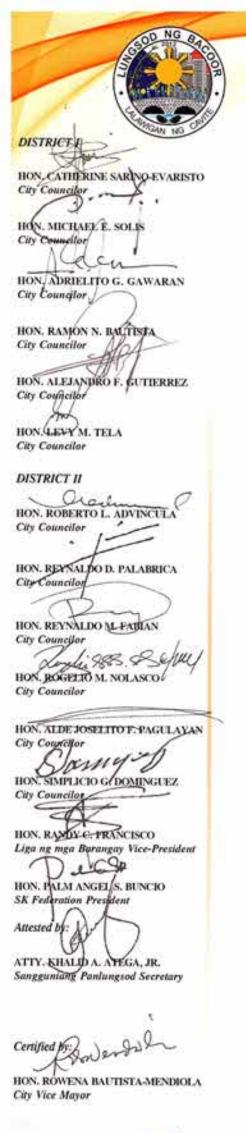
Hon. Roberto L. Advincula, Hon. Ramon N. Bautista, Hon. Palm Angel S. Buncio, Hon. Simplicio G. Dominguez, Hon. Catherine Sarino-Evaristo, Hon. Reynaldo M. Fabian, Hon. Randy C. Francisco, Hon. Adrielito G. Gawaran, Hon. Alejandro F. Gutierrez, Hon. Alde Joselito F. Pagulayan, Hon. Reynaldo D. Palabrica, Hon. Michael E. Solis, and Hon. Levy M. Tela.

WHEREAS, on 08 November 2024, a letter from the Office of the City Mayor was sent to the Office of the Sangguniang Panlungsod requesting that a resolution be passed authorizing the City Mayor, Hon. Strike B. Revilla, to sign a Memorandum of Agreement (MOA) among the City Government of Bacoor, the University of Perpetual Help System-DALTA (UPHSD) Molino Campus, the Philippine National Police (PNP) Bacoor, and the Bureau of Fire Protection (BFP) Regional Office IV-A.

WHEREAS, the PNP acknowledges the need to enhance knowledge in implementing laws and ordinances to keep the city safe and secure in accordance with the revised 2021 Police Operational Procedure and Observance of Human Rights;

WHEREAS, the BFP is responsible for the prevention and suppression of all destructive fires on buildings, houses and other structures, forests, and similar incidents, as well as the enforcement of the Fire Code, including the power to investigate all causes of fires and, if necessary, file the proper complaints in the appropriate venue;

WHEREAS, the City Government of Bacoor, through its Traffic Management Department (BTMD), is Bacoor



Noted by:

HON, STRIKE B. REVILLA City Mayor



responsible for implementing traffic ordinances to address traffic management issues and improve the capabilities of the city government in managing traffic flow in various public places within the city:

WHEREAS, the UPHSD, through its College of Computer Studies, supports the endeavors of the PNP, BFP, and the City Government of Bacoor and is willing to assign and deploy its four (4) students, namely Mhartin Joshua B. Derez, Yvan Emmanuel A. Mercader, John Kenneth Silawan, and Jmer Manabat, to facilitate the development of a Learning Management System that will augment the processes and functionality of the concerned government offices;

WHEREAS, the City Government of Bacoor agrees to support the development, required service, and maintenance of the Learning Management System;

WHEREAS, a draft Memorandum of Agreement was sent by the Office of the City Mayor to the Sangguniang Panlungsod for review and consideration. The proposed MOA is incorporated hereto and will be made a part of this Resolution as its Annex "A".

NOW THEREFORE, upon motion of Hon. Rogelio M. Nolasco, unanimously seconded by the rest of the body, BE IT RESOLVED AS IT IS HEREBY RESOLVED by the 5th Sangguniang Panlungsod of the City of Bacoor, Cavite in regular session duly assembled to pass a resolution authorizing the City Mayor, Hon. Strike B. Revilla, to sign a Memorandum Of Agreement among the City Government of Bacoor, the University of Perpetual Help System Dalta-Molino Campus, the Philippine National Police - Bacoor, and the Bureau of Fire Protection Regional Office Iv-A regarding the development of a Learning Management System with artificial intelligence data driven solutions for the training of personnel.

RESOLVED LASTLY, to furnish the Office of the City Mayor, the UPHSD - Molino Campus, the PNP-Bacoor, the BFP Regional Office IV-A, the University of the Philippines-Office of the Administrative Register (UP-ONAR), National and all aovernment agencies concerned with copies of this Resolution.

UNANIMOUSLY APPROVED by the 5th Sangguniang Panlungsod on 16 December 2024 at the City of Bacoor, Cavite.

Republic of the Philippines Province of Cavite CITY OF BACOOR Office of the Sangguniang Panlungsod DISTRICT-1 HON, CATHERINE SARING-EVARISTO City Councilor I hereby certify that the foregoing Resolution was ۰. approved in accordance with law. HON. MICHAEL E. SOLIS City Councillor 51 HON. ADRIELITO G. GAWARAN Certified by: Sovendal HON. RAMON N. BAUTISTA City Councilor HON. ROWENA BAUTISTA-MENDIOLA City Vice Mayor/Presiding Officer HON. ALEJANDRO F. CUTIERREZ City Councilor HON. LEVY M. TELA Attested City Councilor DISTRICT II ATTY, KHALID A. ATEGA, JR. areal HON. ROBERTO L. ADVINCULA Sangguniang Panlungsod Secretary City Councilor HON. REVIALIOO D. PALABRICA City Councilor HON, REYNALDO M. FABIAN City Councilor HON. STRIKE B. REVILLA Logli 983. 8nui HON, ROGELIO M. NOLASCO City Councilor HON. ALDE JOSELITO F. PAGULAYAN City Councilor Jon HON. SIMPLICIO G. DOMINGUEZ City Councilor 1 1 HON. RANDY C. FRANCISCO Liga ng mga Bhrangay Vice-President ela HON. PALM ANGEL/S. BUNCIO SK Federation President Attested by: ATTY, KHALID A. ATEGA, JR. Sangguniang Panlungsod Secretary

Certified by:

HON, ROWENA BAUTISTA-MENDIOLA City Vice Mayor

Noted by:

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11/11/2024

RACONG PILIPINAS

MEMORANDUM OF AGREEMENT

(Developing a Learning Management System for the Philippine National Police Bacoor, Bureau of Fire Protection Bacoor, and the City Government of Bacoor -Traffic Management Department)

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement (the "Agreement") made and entered into this _____ day of ______ 2024, at the City of Bacoor, Cavite, by and batween:

UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA MOLINO CAMPUS, with principal address at Salawag-Zapote Road Molino 3, Baccor City, Cavite, Philippines represented herein by its School Director, DR, RENO R. RAYEL, hereinafter referred to as the "UPHSD";

PHILIPPINE NATIONAL POLICE - BACOOR, a component city Police Station of the PNP an agency of the National Government created and existing by virtue of and pursuant to R.A. No. 6975 as amended by R.A. No. 8551 with office address at Bacoor Government Center, Barangay Bayanan, Bacoor City Cavite Philippines, represented by its present Chief of Police, PLTCOL. JOHN PAOLO V. CARRACEDO, hereinafter referred to as the "PNP";

BUREAU OF FIRE PROTECTION REGIONAL OFFICE IV-A, a component city Fire Station of the BFP, an agency of the National Government created and existing by virtue of and pursuant to R.A. No. 6975, with office address at Baccor Government Center, Barangay Bayanan, Baccor City, Cavite, Philippines, represented by its Acting Regional Director, FSSUPT FLOR-IAN A. GUERRERO, hereinafter referred to as the "BFP";

and

CITY GOVERNMENT OF BACOOR, a local government unit created and existing under the laws of the Republic of the Philippines, with Office address at Bacoor Boulevard, Bacoor Government Center, Barangay Bayanan, Bacoor City, Cavite, Philippines, represented herein by its City Mayor, HON. STRIKE B. REVILLA, pursuant to the authority conferred by the Sangguniang Panlungsod through a City Resolution No. _____, hereinafter referred to as the "LGU".

PNP, BFP, UPHSD, or LGU shall be referred to as "Party", and collectively as "Parties".

WITNESSETH, that:

WHEREAS, the PNP, as a premier law enforcement agency, is responsible for meeting the needs of the public for police services, such as crime investigation and prevention, maintenance of peace and order, ensuring public safety, effecting the arrest and apprehension of criminal offenders and assisting in their effective prosecution;

WHEREAS, the PNP acknowledges the need to enhance knowledge in implementing laws and ordinances to keep the city safe and secure in accordance with the revised 2021 police operational procedure and observance of human rights;

WHEREAS, the BFP is responsible for the prevention and suppression of all destructive fires on buildings, houses and other structures, forests, and similar incidents, as well as the enforcement of the Fire Code, including the power to investigate all causes of fires and, if necessary, file the proper complaints in the appropriate venue;

WHEREAS, the LGU, through its Bacoor Traffic Management Department (BTMD), is responsible for implementing traffic ordinances to address traffic management issues and improve the capabilities of the city government in managing traffic flow in various public places within the city;

WHEREAS, UPHSD, through its College of Computer Studies, supports the endeavors of the PNP, BFP, and LGU, and is willing to assign and deploy its four (4) students, namely Mhartin Joshua B. Derez, Yvan Emmanuel A. Mercader, John Kenneth Silawan, and Jmer Manabat, to facilitate the development of a Learning Management System that will augment the processes and functionality of the concerned government offices;

WHEREAS, the assistance provided by the UPHSD students to the PNP, 8FP, and LGU will serve as a partial requirement for their educational capstone;

WHEREAS, the Parties unanimously agree and commit to the development and betterment of a Learning Management System;

WHEREAS, the LGU agrees to support the development, required service, and maintenance of the Learning Management System;

NOW, THEREFORE, for and in consideration of the foregoing premises, mutual covenants, and stipulations herein provided, this Agreement is in force subject to the following terms and conditions:

I. THE ABSTRACT AND PURPOSE OF THE AGREEMENT

- This Memorandum of Agreement serves as a unanimous accord between the University of Perpetual Help System Dalta-Molino Campus, Philippine National Police Bacoor, Bureau of Fire Protection, and the LGU, through the Bacoor Traffic Management Department, and their respective representatives in their acquiescence to develop a Learning Management System (LMS).
- In June 2024, the PNP agreed to be a client of the UPHSD College of Computer Studies students namely: Mhartin Joshua B. Derez. Yvan Emmanuel A. Mercader, John Kenneth Silawan, and Jmer Manabat, for their study enlitled "Guardian Gauge v2 Data-Driven AI For Usability of Training Using Learning Management System for Philippine National Police, Bureau of Fire Protection, and Traffic Management Department

for Bacoor City" for their subject Capstone 1 & 2 for School Year 2024-2025. In addition, they will work closely with the BFP and LGU, thru the BTMD. The goal of this collaboration is to develop a Learning Management System with AI data-driven solutions for the administration and training of personnel.

- This Agreement also set out the terms by which the capstone group and PNP-Baccor, BFP-Baccor, and LGU-BTMD, will collaborate on the development and deployment of the aforementioned data-driven solutions.
- 4. This agreement will remain in effect through the summer classes and until the duration of the Capstone Group's subject Capstone 2 of the S.Y. 2024 2025. The key contact for the Capstone Group for this project shall be Yvan Emmanuel A. Mercader. During this period, the Capstone Group shall be responsible for the continued LMS's maintenance, upkeep, and other technical concerns, including the incidental costs needed for the system's development and operations.

IL DEFINITION OF TERMS

- Learning Management System refers to the "Guardian Gauge V2 Learning Management System (LMS). It shall also be known as the Project S.T.R.I.K.E. LMS, a software application for the administration documentation, tracking, reporting, automation, and delivery of educational courses, training programs, learning materials, and online development programs.
- System Maintenance refers to the process of proactively monitoring, managing, and ensuring that the Learning Management System functions optimally.
- 3. Upkeep the process of keeping something in good condition.
- Capstone Group -- refers to the group composed of UPHSD-College of Computer Studies students who shall be responsible for developing, maintaining, and monitoring the LMS.
- System Administrator refers to the personnel, preferably knowledgeable in information technology, who make sure an organization's computer systems are functioning, secured, and meet the needs of the organization.

III. CAPSTONE PROJECT DETAILS

 Guardian Gauge V2 Learning Management System also known as Project Strike LMS is a learning management system web application with Al (Artificial Intelligence) Integration curated for the Philippine National Police (PNP) Bacoor, the Bacoor Traffic Management Department (BTMD), and Bureau of Fire Protection (BFP) Bacoor to enhance their public enforcement understanding and comprehension with the ability to gauge and assess the knowledge of their officers/ personnel in the field via examinations or quizzes.

- 2. Guarding Gauge V2 Learning Management System aims to solve the concurrent prevailing problems facing the agencies involved (PNP, BFP, BTMD) such as the need for continuous assessment and improvement. regarding the personnel's ability to retain, maintain, refresh and comprehend new and old prevailing laws, ordinances, and memos, Guardian Gauge V2 will become a remedy to these problems by giving the personnel a carefully crafted video module, related files containing laws, ordinances or memos and a questionnaire catered for the personnel to answer, after these processes the system will then gather the personnel's scores and will reflect at the admin's system for review The Al or Artificial Intelligence Integration's role in the system will be to assist the admin in assessing and giving valuable input to improve the questionnaire and be more understood by the personnel. The AI achieves this by suggesting fixing the context in questions and by providing relevant information such. as what questions do the personnel get mostly wrong etc. Through these simplified actions and results we can fiber and make an educated guess. on which personnel is best suited or best qualified to undertake specific tank and ordinances. (Ex. Liquor Ban Ordinance Module, Personnel 'A' got a perfect score they will be one of the top picks to enforce the Liquor Ban. Ordinance)
- 3. To fend off threats and to make the website act faster, quicker and more reliable. The Guardian Gauge V2 Learning Management System also features a Cloudfare[™] SSL/TLS Encryption ONS Protection, Anti DDOS HTTP2 Origin, HTTP3 (with QUIC), RTT Connection Resumption Always Use HTTPS, TLS 1.1, Normalize incoming URLs, WebSockets Onion Routing. Browser Integrity Check, Hotlink Protection, Web analytics using real user measurement (RUM) Just to name a few features And Basic Security features from Google's Firebase[™]

Specific goals, functions and features of the Guardian Gauge LMS V2:

- The Learning Management System for PNP, BFP, and LGU-BTMD is used to assess PNP/BFP/BTMD personnel's knowledge in the field.
- 2. The Login Management System with email verification enables users to register and provide login access to the LMS Application and its contents.
- The Admin Control Panel that will manage, monitor, and be responsible for maintaining the software web application, tracking user compliance and course progress, and generating reports for personnel performance.
- The content management system, an account role management module, and user account management for the admin to maintain and make the software application relevant and dynamic according to client requirements.
- The system implements role-based access control, a unified login system, an automated logout module, a concurrent login account session control module, and system audit tracing for security purposes and to safeguard user data and the integrity of the web application.

- It has an AI Recommendation System catered only to sensible narrative generation and suggestive modules geared toward the assessment and reinforcement of personnel.
- It has an Al-Powered Personnel Performance Analytics Module that is responsible for the creation of Data Analysis, Descriptive Analytics, and Data Visualization Dashboard.
- It has a discussion board module where personnel can interact with other personnel and administrators.

IV. ROLES AND RESPONSIBILITIES

- A. UPHSD Molino shall:
 - Commit to supporting the development of the Learning Management System and ensuring the successful completion of the project.
 - Allow its four (4) students Mhartin Joshua B. Derez, Yvan Emmanuel A. Mercader, John Kenneth Silawan, and Jmer Manabat to develop the learning management system and coordinate with the PNP-Bacoor, BFP-Bacoor, and LGU-BTMD in partial fulfillment of their capstone project.
 - Facilitate the turnover of the system to the PNP, BFP, and LGU-BTMD upon capstone project completion.
 - 4. Ensure that the concerned students execute an Undertaking not to disclose any data, information, materials, or resources of the PNP, BFP, or LGU-BTMD that they may handle or process while developing and maintaining the LMS except when necessary for the defense, presentation, and completion of the capstone project. Any unauthorized disclosure of any confidential information owned by the PNP, BFP, and LGU-BTMD by the students shall render UPHSD liable.
- B. PNP-Bacoor, BFP-Bacoor, and LGU-BTMD shall:
 - Commit to supporting the development and maintenance of the Learning Management System and overseeing the project activities throughout the completion of the project.
 - Assist in providing the necessary requirements, documents, and data for the development of the Learning Management System suitable to the needs of PNP, BFP, and LGU-BTMD.
 - Aid in conducting system assessments at the beginning of the program, during the development, after program implementation, and a month following program completion.
 - The PNP-Baccoor, BFP-Baccoor, and LGU-BTMD shall each assign a focal person/system administrator to coordinate with the UPHSD, through the capstone group, and provide the necessary needs and

requirements for the development of the Guardian Gauge V2 Learning. Management System.

- Assign a personnel from the E-Governance Department as Project Manager to oversee the students' creation of the system.
- Whenever necessary and depending on the availability of funds, provide funding and other financial support necessary for the upkeep, maintenance, and future improvement of the Learning Management System.

C. DURATION OF AGREEMENT

The agreement will take effect upon signing by the parties and will remain in force until the end of UPHSD's School Year 2024-2025, or until June 2025, subject to extension or renewal upon written consent of the parties.

V. SYSTEM MAINTENANCE AND UPKEEP

- The Creators/Developers of the Learning Management System (LMS)

 consisting of Mhartin Joshua B. Derez, Yvan Emmanuel A. Mercader, John Kenneth Silawan, and Jmer Manabat are assigned to keeping and maintaining the system, preserving its status quo, ensuring the system stability, and addressing significant changes or disruptions. They are also assigned to ensure and upkeep the system flow, including securing the necessary resources and financial funding for the services and maintenance fees during the period of the system development phase.
- Any amendments to the LMS, with or upon direction of the system administrator shall be spearheaded by the creators/developers of the LMS.
- Any future development, maintenance, and overall stability and usability of the system, after its turnover from the UPHSD to the PNP, BFP, and LGU-BTMD, shall be the responsibility of the latter.

VI. DATA PRIVACY AND CONFIDENTIALITY CLAUSE

1. Data Privacy. Parties hereby agree to allow the UPHSD, through the capstone group, to collect and process information that is reasonably necessary for the development of the LMS for the use of PNP, BFP, and LGU. The parties shall implement measures designed specifically to protect the data privacy of the parties, their officials, and individuals, who may be affected by this collaboration, pursuant to the provisions of Republic Act No. 10173 (the "Data Privacy Act of 2012"). The confidentiality and integrity of all data, information, records, or resources of the PNP, BFP, and LGU-BTMD that may be involved in the development of LMS, shall be safeguarded throughout its lifecycle, from collection to processing to storage, and/or transmission.

2. Confidentiality. The Parties agree to keep confidential all information received from the other party in connection with this Agreement. The Parties agree to take necessary measures to safeguard such information and shall not, without prior consent, disclose, reproduce, or use confidential information for any purpose other than achieving the objectives of developing the LMS and its maintenance and upkeep aiming to assist the PNP. BFP and LGU-BTMD for records management and processing. This confidentiality shall succeed even after the termination of this Agreement. Accordingly, the student-creator/developer shall execute an undertaking to this effect.

VII. MISCELLANEOUS PROVISIONS

- Entire Agreement. This Agreement shall constitute the entire agreement between the Parties and supersedes all prior or written agreements or understanding between the Parties and with respect to the matters provided herein.
- Authority. Each Party represents and warrants on its own behalf that the individual signing this Agreement is fully authorized to sign on behalf of the government office he/she represents and binds it.
- Amendment. No amendment, modification, or supplement shall be valid and binding unless the same is in writing and agreed upon, and signed by the Parties. All parties involved must consent and agree to change or amend the other provision in this agreement in order for the changes to take effect.
- 4. Relationship to the Parties. The Parties' relationship under and in relation to this Agreement shall be limited to the matters contained herein. Nothing herein provided shall be considered or interpreted as constituting the relationship of the Parties or any of them as a partnership in which any one or more of the Parties may be liable for the acts or omissions of any other Party or Parties, nor shall anything herein contained be considered or interpreted as constituting any Party as the general agent of the other Party.
- 5. Effectivity and Termination. This agreement shall take effect upon the signing of parties and shall be in full force and effect until such time stipulated in the duration of this agreement. Each party shall retain a copy for their records. This Agreement may be terminated by mutual consent with at least 15 days prior written notice to the other party.
- 6. Separability. Should any of the provisions of this Agreement be held or declared invalid, or unenforceable in any respect under any applicable law, rule, regulation, or decision of any court of jurisdiction, all remaining provisions not otherwise affected shall continue to have full force and effect.
- 7. Governing Law and Venue. This Agreement shall be governed by the laws of the Philippines. In case of disputes arising from the terms of this Agreement, the parties shall resolve the dispute through good faith and amicable discussions. If said dispute remains unsettled, any action arising therefrom shall be filed in the competent courts of the City of Bacoor.

IN WITNESS WHEREOF, the parties have set their hands on this ___ day of ____ at the City of Bacoor, Cavite.

UNIVERSITY OF PERPETUAL HELP CITY GOVERNMENT OF BACOOR SYSTEM DALTA MOLINO CAMPUS

DR. RENO R. RAYEL School Director, UPHSD Molino

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HON. STRIKE B. REVILLA City Mayor

BUREAU OF FIRE PROTECTION REGIONAL OFFICE IV-A

PHILIPPINE NATIONAL POLICE BACOOR

FSSUPT FLOR-IAN A. GUERRERO Acting Regional Director PLTCOL JOHN PAOLO V. CARRACEDO Chief of Police

Signed in the Presence of:

MRS. BELLE S. ANDAGON OIC-Dean, College of Computer Studies, UPHSD Molino LESLIE DIANNE V. MORALES OIC-Bacoor Traffic Management Department

DR. FORTUNATO R. SAGUDO, JR. Dean, College of Criminology UPHSD Molino

WILSON DEXTER MENDOZA PSSG, PNP Bacoor Region IV-A

FINSP PRECIOUS V. PETALIO Acting Fire Marshall Baccor City Fire Station

ACKNOWLEDGMENT

REPUBLIC OF THE PHILIPPINES)

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BEFORE ME, a Notary Public for and in the above jurisdiction, on , personally appeared the following individuals with their respective competent evidence of identity, bearing their photographs and signatures:

Neme	Identification Card	Date Issued	Validity
DR. RENO R. RAYEL			
HON. STRIKE B. REVILLA			
PLTCOL JOHN PAOLO V. CARRACEDO			
FSSUPT FLOR-IAN A. GUERRERO			

I have known the abovenamed to be the same persons who executed the foregoing instrument and acknowledged and sworn to before me that the same is their free and voluntary act and deed as well as the institutions and agencies they respectively represent.

This MEMORANDUM OF AGREEMENT consists of seven (7) pages, including this page on which this Acknowledgment is written and signed by the parties and their witnesses on the left-hand margin of each page.

WITNESS MY HAND AND SEAL.

Doc. No. ____ Page No. ____ Book No. ____ Series of ____