	PROJECT PROFILE	
PAMBANSANG MUSEO NG PILIPINAS **NATIONAL MUSEUM OF THE PHILIPPINES**	Document Reference No.	NMP-BAC-F-020
	Effectivity Date:	30 June 2023
	Version no.:	2023-000

TITLE: INFORMATION SYSTEM DEVELOPMENT TRAINING

LOCATION: NATIONAL MUSEUM OF THE PHILIPPINES – MUSEUM COMPLEX

IMPLEMENTING UNIT:
OFFICE OF THE DIRECTOR GENERAL - INFORMATION AND COMMUNICATIONS TECHNOLOGY SECTION

DESCRIPTION:
Essential for modernizing operations and embracing automation, the strategic development of advanced information systems is top priority for the Information and Communications Technology Section of the National Museum of the Philippines. This training program is designed to provide comprehensive, up-to-date knowledge and skills in information system development, thereby building the Agency's internal capacity to drive digital transformation and achieve its operational efficiency goals.

OBJECTIVE:
To equip ICT personnel with advanced knowledge, methodologies, and practical skills required to design, develop, implement, and maintain effective information systems that support organizational modernization, process automation, and improved data management.

◯ **SCOPE OF WORK** (for Infrastructure Projects)

⬤ **TECHNICAL SPECIFICATIONS** (for Goods/Services Projects)

◯ **TERMS OF REFERENCE** (for Consulting Services Projects)

TECHNICAL SPECIFICATIONS:

Training Title	:	**PHP-MVC Laravel + Vue.js Web Application Development**
Mode of Training	:	**In-House (Face to Face) Training**
No. of Participants	:	**10 PAX**
Minimum hours of Training	:	**35 hours**

Training Objective: This course immerses the participants in web development using the Laravel + Veu JS Web Application Framework. Trainees will learn on how to develop modern, scalable, and performant web applications and APIs.

Program Structure and Course Outline
- Introduction
  - Installing a local server for Laravel 9 with Docker, Sail, WSL (Ubuntu environment)
  - Requirements
  - Composer
  - Setting up Laravel 9
  - Laravel Files and Folders Structure
- Architecture Framework
  - What is MVC? (Introduction and concepts)
  - Routing
    - Basics
    - Parameters
    - Named Routes
    - Group Routes
  - Controllers Basic Controllers
  - RESTful Controllers
    - REST Introduction and concepts
  - Resource Controllers

- Views
- Basics of Blade
- Passing Data to Views
- Conditionals and Loops
- Extending Views
- Models
- Designing patterns
- Database
  - Connecting to Database
  - Raw SQ:
  - QueryBuilder
  - Eloquent ORM
- Overview of Entities, relationships and attributes
- Forms
  - Types or Requests
    - GET
    - POST
    - PUT
    - DELETE
  - Retrieving INPUT
  - FormBuilder
  - Validation
- Security
  - Introduction (like how is your site secured by using Laravel)
  - Authentication
  - Access Permissions
  - Encryption and Hashing
- Other Features of Framework
  - Helpers
  - Artisan
  - Cache and Sessions
  - Services and Facades
  - Events
  - Errors, Error Handling and Error Logging
- Workflow and Environment Configuration
  - Application Map
  - Advance Database (Eloquent)
    - Migration
    - SchemaBuilder
    - Seeding
    - Relationships
    - Schemas
- Miscellaneous
  - Filters
  - Artisan Files and 404s
  - Way's Generators
  - Seeding with Faker
- Project: Create a basic eCommerce site with Laravel
  - ADMIN PANEL
    - Create Admin Panel
    - Category Management
    - Product Management
    - Order Listing
    - Payment History
    - Front End
  - Home Page with Product Listing
    - Search Product

- - Shopping Cart
  - Checkout
- Integration Fontawesome via Laravel mix
- Integration Bootstrap (CSS Framework) for UI Styling
- Implementing DRY Principle
- Using Git for Version Control and Github as Code Repository
- Introduction to Vue js
  - Directive
  - List Rendering
  - Conditional Rendering
  - Class Binding
  - Style Binding
  - Components
  - Mixins
- Integrating Vue js and Ajax to make our application more interactive
- RESTfull API Development

NMP'S RESPONSIBILITIES

1. Each participant must bring their own device (BYOD)
2. Provides a multimedia projector, microphone, Internet connection/wifi, extensions for laptops

SERVICE PROVIDER'S RESPONSIBILITIES:

1. Manage and conduct the aforementioned topics for the training/program for selected participants.
2. Provide Subject Matter Expert (SME) who will conduct, implement, and facilitate the program/course.
3. Provide training materials (application/installer) such as but not limited to software, IDE, package manager and other relevant web development toolkit.
4. Provide hard copy of the course materials and other resources to support continued learning.
5. Submit the final report that includes event proceedings and key outcomes, recommendations, participants' feedback and suggested next steps 5 working days after the end of training.
6. Prepare and grant the corresponding Certificate of Completion to each participant who completes the program/course.

QUALIFICATIONS OF THE SERVICE PROVIDER:
1. DICT Accreditation Certificate on VA/PT and ISMS.
2. The SERVICE PROVIDER must have a recognized certification as a Web Development Trainer or other equivalent certification issued by DICT, DAP, or any equivalent recognized institution.
3. The SERVICE PROVIDER must have conducted at least two (2) professional trainings or workshops related to web development, conducted for any recognized group, institution, or organization.
4. The Service Provider must have a minimum of five (5) years of experience in conducting training.
5. The SERVICE PROVIDER must have a minimum of two very satisfactory certificates or equivalent within the five years preceding the current year.
6. The SERVICE PROVIDER must not be blacklisted by any government agency for the last five years.
7. The SERVICE PROVIDER shall present at least three (3) service performance satisfaction evaluation reports/certificates with at least Very Satisfactory rating (for the last 5 years). In the event that the Prospective Bidder has rendered services to the NMP, that is similar to the project to be bid, and within the said time frame, performance evaluation issued by the NMP shall be included in the list of the required certifications/performance rating to be submitted.

SOURCE OF FUND: GAA FY 2025

APPROVED BUDGET FOR CONTRACT: The Approved Budget of the Contract (ABC) is Two Hundred Twenty Thousand Pesos (220,000.00) inclusive of VAT and all applicable taxes.

COMPLETION TIME: December 2025

TERMS OF PAYMENT:

One hundred (100%) of the total amount identified per training shall be made within 15-30 days after the conduct of every training. This amount shall cover payment for the program management, handouts/manuals, supplies, and materials for the program.
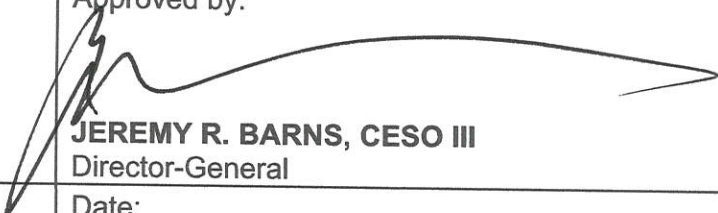
WARRANTIES AND GUARANTEES:

The warranty coverage shall be in accordance with Section 62.1 of the 2016 Revised IRR of RA 9184.

Non-Disclosure Agreement
The Service Provider agrees that any information that may be acquired and/or possessed during the rendering of services by the technical specialist assigned to the NMP shall not be disclosed to or provided to any unauthorized person, partnership firm, or corporation. The technical specialists are prohibited from making unauthorized use of or access to IT resources that could compromise systems. For this, an assigned specialist to the NMP shall be required to execute the Undertaking on Non-Disclosure appended hereto.

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CONTRACTOR'S ELIGIBILITY:
The Contractor is required to submit at least One (1) similar contract/s awarded and completed from Y2020 to present with an amount of at least fifty percent (50%) of the Approved Budget for the Contract (ABC).

LIQUIDATED DAMAGES:
When the SERVICE PROVIDER fails to satisfactorily deliver goods under the contract within the specified delivery schedule, inclusive of duly granted time extensions, if any, the SERVICE PROVIDER shall be liable for damages for the delay and shall pay the procuring entity liquidated damages, not by way of penalty, an amount equal to 1/10 of 1% of the cost of the delayed contract scheduled for every day of delay until such goods are finally delivered and accepted by the procuring entity concerned. In no case shall the sum of the liquidated damages exceed 10% of the total contract price, in which the procuring entity concerned may rescind the contract and impose appropriate sanctions over and above the liquidated damages.

PRE-TERMINATION CLAUSE:
The contract is effective on the date indicated in the NTP and shall remain in full force for (1 year) or until terminated by either party (NMP or the Service Provider) upon prior written notice by either party. The termination process shall follow the prescribed procedure under IRR-A R.A. 9184.

The NMP reserves the right to pre-terminate the contract by serving written notice on the SERVICE PROVIDER. If the SERVICE PROVIDER does not appeal or seek reconsideration of the decision to pre-terminate within Fifteen (15) calendar days from receipt of the notice, the contract is deemed terminated. The grounds for the termination of the contract by the NMP include but not limited to the following:

1. Violation(s) of any of the terms and conditions of the Contract; and
2. Any other act or omission by the SERVICE PROVIDER which is detrimental or prejudicial to the interest of the NMP, its employee(s), or the public.

Prepared by:	Noted by:
JOHN RAYMUND A. SOLOMON Computer Programmer II	**RESTY D. MORANCIL** Information Technology Officer I
Date:	Date:
Recommending Approval:	Approved by:
JORELL M. LEGASPI Deputy Director-General for Museums	**JEREMY R. BARNS, CESO III** Director-General
Date:	Date: