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**May 26, 2025**

**Riza P. Habana**

Owner,

R.P Habana

Dear **Mrs. Habana**:

Greetings!

The undersigned Bachelor of Science in Information Technology students, currently enrolled in Capstone Project 1, are conducting a research study entitled **“R.P. HABANA INVENTORY AND SALES MANAGEMENT SYSTEM”**.

In connection with this, we respectfully seek your expertise to validate the attached research instrument intended for the evaluation of our proposed system. We kindly request that you review the instrument and affix your signature to certify its validation.

Thank you very much.

Respectfully Yours,

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| |  |  |  |  | | --- | --- | --- | --- | | **Garcia, John Ric C.**  Researcher  **Jerusalem, Roi Angelo A.**  Researcher  **Paje, Jerry S.**  Researcher  **Perez, Kent Steven D.**  Researcher | Noted By:   |  | | --- | | **Jocelyn G. Llanderal, MIT** | | Research Adviser |   Recommending Approval:  **Jacqueline A. Dela Torre, PhD**  Research Facilitator  Approved By:  **Arlou H. Fernando, MM-ITM**  Dean, Department of Computing and Informatics | | |
| CONFORME:  **Riza P. Habana**  Signature over printed name | |
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**Direction:** Please read and rate your experiences by putting a (✔) mark on the rows column that corresponds to the assessment. Use the scale below:

**Scale:** **(5) Excellent (4) Very Satisfactory (3) Neither Satisfactory nor Unsatisfactory (2) Fair (1) Poor**

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| **Survey Questionnaire:** | | | | | |
| **Section 1: Sales and Inventory Management (Objective 1)** | **5** | **4** | **3** | **2** | **1** |
| The system allows me to accurately track sales transactions in real-time. |  |  |  |  |  |
| The system can easily monitor stock levels. |  |  |  |  |  |
| The system provides clear, real-time inventory and sales reports. |  |  |  |  |  |
| The product tracking feature of the system is efficient and reliable. |  |  |  |  |  |
| The centralized system improves our overall inventory and sales management. |  |  |  |  |  |
| In your opinion, what improvements would you suggest for inventory and sales management? | | | | | |
| **Section 2: Service Job Tracking (Objective 2)** | **5** | **4** | **3** | **2** | **1** |
| The system effectively tracks completed service jobs by category. |  |  |  |  |  |
| The system can easily generate service job reports (monthly, quarterly, yearly). |  |  |  |  |  |
| The reports help me identify the most profitable services per branch. |  |  |  |  |  |
| The system supports better decision-making in managing service operations. |  |  |  |  |  |
| Tracking service jobs through the system has improved our workflow and efficiency. |  |  |  |  |  |
| What suggestion do you have to improve the service job tracking more effective? | | | | | |

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| **Section 3: Notification System (Objective 3)** | **5** | **4** | **3** | **2** | **1** |
| The system ensures timely notifications about low-stock items and out-of-stocks items. |  |  |  |  |  |
| The automated alerts help me take timely action on low-stock and out-of-stocks items. |  |  |  |  |  |
| The notification system keeps me updated and reduces delays in restocking. |  |  |  |  |  |
| The real-time updates provided by the system are accurate and reliable. |  |  |  |  |  |
| The stock alerts improve our ability to manage inventory effectively. |  |  |  |  |  |
| What improvements would make the notification more useful? | | | | | |
| **Section 4: Cost-Benefit Evaluation (Objective 4)** | **5** | **4** | **3** | **2** | **1** |
| The benefits of the system outweigh its costs. |  |  |  |  |  |
| Using the system has reduced the time spent on manual inventory tasks. |  |  |  |  |  |
| The system has led to cost savings in our inventory and sales operations. |  |  |  |  |  |
| The investment in this system was worth the improvements gained. |  |  |  |  |  |
| The return on investment of the system is satisfactory. |  |  |  |  |  |
| Is the system worth the cost? Why or why not? | | | | | |

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| **Software Quality Model from ISO 25010: 2023** | | | | | |
| 1. **Interaction Capability** | **5** | **4** | **3** | **2** | **1** |
| The system is user-friendly and easy to navigate. |  |  |  |  |  |
| The interface design supports quick and efficient interaction. |  |  |  |  |  |
| The system is easy to learn, even for first-time users. |  |  |  |  |  |
| The system provides clear feedback when actions are performed. |  |  |  |  |  |
| The system allows user to complete task with minimal assistance or training. |  |  |  |  |  |
| 1. **Performance Efficiency** | **5** | **4** | **3** | **2** | **1** |
| The system is responsive and reacts to user input quickly. |  |  |  |  |  |
| The system works well when many users are logged in at the same time. |  |  |  |  |  |
| The system performs reliably even when handling large volumes of data (e.g., product inventory data, sales transaction) |  |  |  |  |  |
| The system can handle increasing amounts of sales and inventory data without slowing down. |  |  |  |  |  |
| The system runs well on various devices (PC, tablet, and mobile) without experiencing delays or performance issues. |  |  |  |  |  |
| 1. **Functional Suitability** |  |  |  |  |  |
| The system allows the users to access their designated page based on their user roles (admin, staff, stockman). |  |  |  |  |  |
| The system provides accurate inventory and sales transaction records |  |  |  |  |  |
| The system allows users to monitor and update inventory and sales. |  |  |  |  |  |
| The POS system ensures accurate pricing. |  |  |  |  |  |
| The inventory is updated real-time with every transaction. |  |  |  |  |  |

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| 1. **Reliability** | **5** | **4** | **3** | **2** | **1** |
| The system reduces human errors compared to manual inventory and sales processing. |  |  |  |  |  |
| The system quickly recovers from unexpected crashes or issues. |  |  |  |  |  |
| The system enables accurate stock transfers to R.P. Habana branches, ensuring reliable communication. |  |  |  |  |  |
| The system accurately saves and retrieves inventory and sales data. |  |  |  |  |  |
| The system reliably maintains inventory and sales records, preventing data loss. |  |  |  |  |  |
| 1. **Security** | **5** | **4** | **3** | **2** | **1** |
| The system allows only authorize users based on Role-Based Access Control (RBAC). |  |  |  |  |  |
| The system encrypts the data and information. (password, branch number, product id, etc.). |  |  |  |  |  |
| The system enforces a strong password policy requiring uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and special characters (!@#$%^&\*). |  |  |  |  |  |
| The system maintains audit logs to track user activities and security events. |  |  |  |  |  |
| The system locks the user account after failed log-in attempts. |  |  |  |  |  |
| Do you have any comments or suggestion on how we can enhance the system’s overall quality? | | | | | |