**1.0 Title of the Project**

EJ’s Plant Nursery Inventory and Sales Management System with Automated Reports

**2.0 Introduction / Background**

Briefly describe the current system or the problem. Explain why a new system is necessary.

**Example:**

Currently, EJ’s Plant Nursery manages its inventory and sales manually, relying on spreadsheets and paper-based records. This process is time-consuming and prone to human error, leading to discrepancies in inventory tracking and delays in sales reporting. Additionally, generating accurate sales reports and keeping track of stock levels has become increasingly difficult as the business grows. This proposal aims to implement an automated Inventory and Sales Management System that will streamline operations, reduce the likelihood of errors, and provide real-time reporting. The new system will enhance inventory tracking, simplify sales processes, and generate automated reports, improving overall efficiency and decision-making for the nursery.

**3.0 Identify the Purpose of the Database**

Think about what your system is trying to achieve:

* Provide a centralized storage of plant and seedling inventory records.
* “A Database Management System for Student Attendance Tracking”
* “Inventory Database System for a Small Retail Store”

**4.0 Objectives of the System**

Describe the objectives of the new system.

**Example:**

* Automate inventory tracking of plants and seedling.
* Provide secure access to data for teachers and admin staff
* Generate real-time reports and analyticss
* Improve data accuracy and integrity

**5.0 Comparison of Features**

|  |  |  |
| --- | --- | --- |
| **Feature** | **Previous System** | **Proposed/New System** |
| **Data Storage** | Stored in Excel or paper records | Stored in a centralized database (e.g., MySQL/PostgreSQL) |
| **User Access** | No user login; only one person handles data | Role-based login (Admin, Teacher, Student) |
| **Attendance Tracking** | Manually entered, no real-time updates | Web-based attendance recording with date/time stamps |
| **Grading** | Manually computed and stored in Excel | Automatic grade computation with database integration |
| **Report Generation** | Manual preparation | Auto-generated reports (PDF, charts) |
| **Security** | No data encryption or access control | Encrypted data with login authentication |
| **Backup & Recovery** | No backup system | Scheduled automatic backups |

**6.0 Target Users / Beneficiaries**

* Owner
* Customers

**7.0 Tools and Technologies to be Used**

* Frontend: HTML, CSS, JavaScript
* Backend: PHP
* Database: MySQL
* Hosting: Local server or cloud (Firebase, AWS)

**8.0 Expected Outcome**

Describe the benefits or expected results.

**Example:**

The proposed system will reduce manual workload, enhance data accuracy, provide real-time inventory monitoring, and generate automated sales reports to support faster and better decision-making.