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**CERTIFICATE**

This is to certify that the project report titled “**Warehouse Management System**” being submitted by **Shoheb Baig , Hemant Wankhede and Akshay Shinde** in **S.G.G.S.I.E. &T., Nanded** for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering** is record of bonafied work carried out by them under my supervision and guidance.

**HEAD: GUIDE:**

**Prof. P. S. Nalawade Ms. Priya Bhosle**

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Warehouse Management System

**Guided by: MS. Priya Bhosle**

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**1) PHP MINI-PROJECT ABSTRACT:**

A warehouse is a [commercial building](https://en.wikipedia.org/wiki/Commercial_building) for storage of [goods](https://en.wikipedia.org/wiki/Good_(economics)).

They usually have [loading docks](https://en.wikipedia.org/wiki/Loading_dock) to load and unload goods from trucks. Sometimes warehouses are designed for the loading and unloading of goods directly from [railways](https://en.wikipedia.org/wiki/Railway), [airports](https://en.wikipedia.org/wiki/Airport), or [seaports](https://en.wikipedia.org/wiki/Seaport). They often have [cranes](https://en.wikipedia.org/wiki/Crane_(machine)) and [forklifts](https://en.wikipedia.org/wiki/Forklift_truck) for moving goods, which are usually placed on [ISO](https://en.wikipedia.org/wiki/International_Organization_for_Standardization) standard [pallets](https://en.wikipedia.org/wiki/Pallet) loaded into [pallet racks](https://en.wikipedia.org/wiki/Pallet_racking). Stored goods can include any raw materials, packing materials, [spare parts](https://en.wikipedia.org/wiki/Spare_part), components, or finished goods associated with agriculture, manufacturing and production. In Indian English a warehouse may be referred to as a godown.

**2) MINI-PROJECT TEAM MEMBERS:**

|  |  |  |
| --- | --- | --- |
| Sr. no. | Name | Reg. no. |
| 1 | Shoheb Baig |  |
| 2 | Hemant Wankhede |  |
| 3 | Akshay Shinde | 2014BCS093 |

**2) Introduction:**

A warehouse management system (WMS) is a software application, designed to support warehouse or distribution center management and staff. They facilitate management in their daily planning, organizing, staffing, directing, and controlling the utilization of available resources, to move and store materials into, within, and out of a [warehouse](https://en.wikipedia.org/wiki/Warehouse), while supporting staff in the performance of material movement and storage in and around a warehouse.

A warehouse is a [commercial building](https://en.wikipedia.org/wiki/Commercial_building) for storage of [goods](https://en.wikipedia.org/wiki/Good_(economics)).

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Some warehouses are completely [automated](https://en.wikipedia.org/wiki/Automation), and require only operators to work and handle all the task. Pallets and product move on a system of automated [conveyors](https://en.wikipedia.org/wiki/Conveyor), [cranes](https://en.wikipedia.org/wiki/Crane_(machine)) and [automated storage and retrieval systems](https://en.wikipedia.org/wiki/Automated_storage_and_retrieval_system) coordinated by [programmable logic controllers](https://en.wikipedia.org/wiki/Programmable_logic_controller) and [computers](https://en.wikipedia.org/wiki/Computer) running [logistics automation](https://en.wikipedia.org/wiki/Logistics_automation) software.[[18]](https://en.wikipedia.org/wiki/Warehouse#cite_note-18) These systems are often installed in [refrigerated](https://en.wikipedia.org/wiki/Refrigeration) warehouses where temperatures are kept very cold to keep product from spoiling, especially in electronics warehouse where they require specific temperature to avoid damaging the parts, and also where land is expensive, as automated storage systems can use vertical space efficiently. These high-bay storage areas are often more than 10 meters (33 feet) high, with some over 20 meters (65 feet) high. Automated storage systems can be built up to 40m high.

**3) Existing System:**

In old school times , warehouse is managed by records or registers. So every information about importing and exporting is available on single register. If accidentally that register lost then there is no option to retrieve that whole data. If any officer comes for enquiries about warehouse management then we will have no records to show then he will charged our whole warehouse.

**4) Proposed System:**

A WMS uses a database configured to support warehouse operations, containing detail describing a variety of standard warehouse elements including

1. Individual stock keeping units (SKUs) that are handled and stored, e.g., weight, dimensions, case pack, automatic ID labels (bar codes, etc.), and inventory by location with manufacture date, lot code, etc. SKUs may include basic materials, fabricated parts, assemblies, and industrial and consumer finished goods, etc.;
2. Warehouse storage locations, e.g., individual location number, picking sequence, type of use (picking, reserve storage, etc.), type of storage (each, case, pallet), location size or capacity, storage restriction (flammable, hazardous, high value materials, outdoor, etc.), etc.;

**5) Modules:**

**6) Requirements:**

1. Web Server ( Apache )

2.Database Server ( MySQL )

3. Text Editor ( Subline Text)

4. Internet Browser ( Google Chrome )

**7) Results:**

**8) Conclusion:**

1. Great customization features and easy to use. Very easy to track orders at all points of contact.

2. Very user friendly and easy to learn.

3. The system is ideal for a broad range of industries including retail, CPG, food and beverage, technology, manufacturing, and aerospace/automotive.

4.Warehouse Advantage can be deployed either on-site via the Oracle database or Microsoft SQL Server or deployed in the cloud to minimize IT requirements.

5.This WMS software runs on Windows 2000, Windows Vista, or Windows 7 and is deployable on site or in the cloud with Internet-browser capabilities. Users can integrate with other software systems such as Microsoft Dynamics, SAP, and Oracle.

**9) Referrence:**

1.www.w3school.com

2.www.tutorialspoint.com

3.www.crazyprogrammes.in

4.Abraham Silberschatz , Henry F. Korth , S. Sudarshan , “Database System Concepts” , McGraw Hill International Edition.

5.C. J. Date “An Introduction to Database System” , 7th Edition Personal Education.