1. **INTRODUCTION**
   1. **PURPOSE OF PRODUCT**

Commercial grain handling storage and warehousing since our country India is producing 216 m/tone grains per year, but due to lack of warehouses and proper management we are only able to store 115 m/ tones of grains. To resolve this problem we are providing information is easy and intelligible manner, so that all scattered data of storage capacity will be used in optimally.

* 1. **Scope of Product**

-> Managing multiple warehouse

-> Storing wheat and rice

**1.3** **Acronyms, Abbreviation, Definitions**

m/tone -> metric tone

1 tone -> 1 kg

Warehouse -> Warehouse is building for storing goods by manufacture, imports, exports, wholesales etc.

* 1. **References**

Prof. Sanjay Sharma

Mr. Gangan(Anand Warehouse)

* 1. **Outline**

Storing wheat and rice

Inventory Management

Graphical representation of information

Renting space for storage

1. **General Description of WMS**

**2.1 Context**

There are 500 warehouse connected through our software in various places of MP. We are storing 2 types of grain, namely Wheat and Rice. User do their registration (Usually farmers or landlord), after that they liable to store their grains. We are regularly updating software data from market and inform user about rise in prices through sms, so that they can take maximum profit on their crop.

**2.2 WMS functions**

-> Provide space for renting

-> Sell and Buy Goods

-> Store detail of Stock

-> Detail of warehouse which come under organization

-> Generate stock reports

-> Detail of all grain hold in stock also user associated with them.

-> Give option to create account and change their password for user.

-> Pre-booking is done (with in 1 month before)

**2.3 User Characteristics**

-> Response Design

-> Interactive

-> Easy to use

**2.4 Constraint**

-> Regular maintenances

-> Need internet to use

-> Need an operator to operate our software

**2.5 Assumptions and Dependencies**

-> Space is available for new user

-> 500 warehouse in working condition

-> Depends on database

-> Structure entry

**3 Specific Requirements**

**3.1 External Interface Interface**

**3.1.1 User Interfaces**

->Need 1 system to use system

->Graphic interface which will interact with the observer at level of user

\*\*\*\*\*-> since the user interface environment shall be organized during the development phase as a flexible, easy, to update

**3.1.2 Hardware Requirement**

**-> Processor: Pentium® Dual core cpu**

**Cpu running speed 1.5GHz**

**->RAM : 2 GB**

**->System type : 32-bit or 64-bit**

**-> Storage 20Gb of Memory**

**3.1.3 Software Requirement**

**-> windows 7 or higher version**

**3.1.4 Communication Interfaces**