**Tyre Industry**

**Abstract:**

Tyre manufacturing firms are large scale industries so we decides to manipulate the tyre manufacturing firm records systematically.our software product is used in tyre industry manufacturing section.This software is used to manipulate the export and import details of the tyres, and also maintain the raw materials details which is used for the manufacturing.It consists of closed source admin module.In this product admin can manipulate and monitoring employees in the different section of manufacturing department of the tyre industry and he/she have to manipulate the import section (i.e raw materials quality,expenses for the raw materials,damage of the raw materials) and export records and billing details too.

**MODULES DESCRIPTION**

**ADMIN MODULE:**

Admin module is for manipulating the overall activities of the system. By this module admin can manage the employee’s details, work status details in different sections, raw materials records, import and export details, billing records for the sold products, stock materials records.

**RAW MATERIALS MODULE:**

By this module admin will monitor the raw materials records such as import quantity of raw materials, expenses for buying raw materials, transport charges for carrying raw materials etc., Admin have to maintain the records for raw material quantity which is used in different sections in manufacturing department of tyre industry.

**IMPORT/EXPORT MODULE:**

This module is mainly used for manipulating the import and export section in tyre industry. By this module admin will maintain the import records of raw materials and export records of manufactured product.This module consists of separate section for getting and sending the feedback about the export and import raw materials.

**BILLING MODULE:**

This module is used for manipulate the billing records in sold products and purchased raw materials.By this module administrator can maintain the billing details about the products which is used in the manufacturing section.

**STOCK MATERIALS MODULE:**

Stock materials modules is used for managing the stock materials details which is used in the manufacturing section of tyre industry. By this module admin will allot the product quantity to export to different clients and based on the available raw material stock, admin can allot the raw materials quantity to different section in manufacturing unit in tyre industry.

**REPORT MODULE:**

This module is used for maintaining the whole records of the project. In this module admin can take an overview about the employee details, employee work details, raw materials details and manufactured product details, billing records for the sold products and raw materials.

**EXISTING SYSTEM:**

The system, which is followed at present, is a manual system (I.e. every records in tyre manufacturing section of tyre industry are maintained manually).It will consume much more time to complete the work and maintenance of the records is a tedious one. Important drawback of existing system is time factor. It will not help the management to solve the problem in time. The following factors are important drawbacks of existing system.The are

* Manual work.
* Security of information is low.
* Calculations are difficult.
* Frequent occurrence of error.
* A lot of time consumed.
* Need lots of manpower.

**PROPOSED SYSTEM:**

The drawbacks, which are faced during existing system, can be eradicated by using the proposed system. The main objective of the existing system is to provide a Electronic user-friendly interface. The system, which is proposed, now computerizes all the details that are maintained manually. Once the details are fed into the computer there is no need for various persons to deal with separate sections. Only a single person is enough to maintain all the reports.

**Advantages of the proposed system are as follows:**

* Maintenance of file is flexible.
* Less manpower required.
* Updating in stored data is possible.
* Stored data can be easily edited.
* Reports can be generated with case.
* Accuracy calculations are made.
* Large volumes of data can be stored with case.

**DFD**

Database

Employee

Admin

**CONCLUSION**

The main aim of this project was to construct a program for maintaining the details of Tyre Industry .This system was developed to meet all the basic requirements. The management of the Tyre Industry will be also benefited by the proposed system, as it will automate the whole supply procedure, which will reduce the workload. The security of the system is also one of the prime concerns. It will provide the facility to the admin and employee in the tyre industries to manipulate their daily work process efficiently and fast.

**FUTURE ENHANCEMENT**

* In future this application software will be enabled as the live server.
* Damage in the raw materials will be detected systematically.
* online will require more secure encryption to provide more secure transactions