**Cargo Management System**

*Project Synopsis Submitted*

*to*

**MANIPAL ACADEMY OF HIGHER EDUCATION**

*For Partial Fulfillment of the Requirement for the*

*Award of the Degree*

*Of*

**Bachelor of Technology**

*in*

**Computer and Communication Engineering**

*by*

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*Under the guidance of*

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**Objective:**

 The objective of the **“Cargo Management Software”** is to act as an intermediary between the various customers in need of moving cargo of any size and the Packing and Moving companies. The software keeps track of all the different customers who have registered for the service, the orders placed and the companies willing to deliver the cargo. This software provides ease of access to both the customers and the companies by providing them with a platform where they can procure/offer services. The system contains a database where all the information will be stored securely. The system will be user-friendly and error free.

**Scope:**

This project is helpful for the customers as this would void them of the hassle required in finding the best price offered by different companies and will help the companies to reach the users in an efficient and easy manner. The software will be able to handle all the necessary information.

**Project Description:**

The software to be produced is on Cargo Management System. Here there are 3 users. They are the administrator, customer, and Business provider .The customer as well as the businesses provider can register on the app itself, but the business account will have to wait for completion of verification process by the administrator before account creation is completed. After logging in the customer can either place an order or view the current order’s status. Viewing the order status will display order details, current location, and various other details and on placing order the customer is presented with various options divided in the basic of cargo weight namely Sundry(weight<1 Ton),LTL(Less than a Truck Load, i.e. 1-6 Tons),FTL(Full Truck Load, i.e. 6-9 Tons) and ODC(Over Dimensional Cargo, i.e. 9+ Tons). The user will choose the category best suited according to their needs and produce a request, if they select ODC option a technician will be assigned to the customer who will examine the cargo to determine it’s weight and other details. The generated request would be presented to all the verified business accounts where they will create and post an offer mentioning the price and estimated delivery time, which will be provided to the customers to choose from. After an offer is selected by the customer the order is successfully placed and the status of the order will be periodically updated by the business on the software for the customer to view it. All the information will be entered in the system. Administrator has the authority to view, add, delete or modify any details available in the system.

**Hardware Requirements:**

Processor:  Intel dual core or above

Processor Speed: 1.0GHZ or above

RAM:  1 GB RAM or above

Hard Disk:  20 GB hard disk or above

**Software Requirements:**

Language:  C# / HTML,CSS

Database:  Oracle

**Submitted by**

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