

**PROJECT GUIDE :**

**Ms. SHELLY SHIJU GEORGE**

**PROJECT ABSTRACT REPORT**

**SUBMITTED BY :**

**RUGMA S**

**RMCA – B**

**ROLL NO: 2**

## **ABSTRACT**

## **LOGISTICS MANAGEMENT**

Logistics management encompasses the planning, execution, and control of the movement and storage of goods, services, and information within the supply chain. Its primary goal is to ensure that products are efficiently sourced, transported, and distributed to the right place, at the right time, and in the right condition, all while minimizing costs and maximizing customer satisfaction. Logistics management is a critical component of modern business operations and has a significant impact on a company's competitiveness, profitability, and overall success.

## **MODULES AND FUNCTIONALITIES**

### **MAIN MODULES**

- Domestic Logistics
- International Logistics
- Stock Exchange

#### **A. DOMESTIC LOGISTICS**

1. Term & conditions
  - Service description
    - Transportation
    - Warehousing
  - Responsibilities of parties
  - Payment terms
    - Rate
    - Invoicing
    - Payment method
  - Liabilities and limitations
  - Insurance coverage
  - Handling of goods
  - Quality control
  - Cancellations and returns
  - Confidentiality
  - Intellectual property
  - Notices
2. Admin
  - User management

- Create, manage and assign roles
- Order management
  - Order processing
  - Status updates
  - Order history
- Inventory management
- Warehouse management
  - Space utilization
  - Optimising storage
  - Managing goods in different warehouse local
- Customer Management
- Transportation management

### 3. Shipper

- Order creation and processing
- Freight rate calculation
  - Weight
  - Volume
  - Shipment type
- Pickup scheduling
- Packaging and labelling
- Returns Management
- Reporting
- Customer services

### 4. Recipient

- Address management
- Delivery rescheduling
- Returns and exchanges
- Communications
- Booking
- Rating
- Review and feedback

### 5. Courier & service

- Order pickup scheduling
- Shipment tracking
- Route optimization
- Delivery confirmation
- Reattempt delivery
- Package sorting and distribution

### 6. Quantity

- Order fillment
- Batch management
- Serial number tracking

- Cycle counting
- Kitting and assembly
- 7. Payment
  - Invoice generation
  - Payment methods
  - Payment reminders
  - Discounts and promotions
  - Credit control and refund
- 8. Refund policy
  - Return authorization
  - Return eligibility criteria
  - Restocking fees
  - Refund policy transparency
- 9. Delivering portal
  - Delivery status updates
  - Delivery schedule and timing
  - Order history
  - Address management
  - Customer support interactions
- 10. Carrier / delivery boy
  - Delivery assignment
  - Packages verification
  - Proof of delivery
  - Damage reporting
- 11. Time & destination
  - Routing planning and optimization
  - Delivery time estimation
  - Destination address validation
- 12. Review & suggestions
  - Anonymous feedbacks
  - Feedback surveys
- B. INTERNATIONAL LOGISTICS
- 1. Term & conditions
  - Traffic and IP rights
  - Legal compliances
  - Languages options
  - Insurance coverage
- 2. Supervisor
  - Shipping coordination
  - Order monitoring and management
  - International trade regulations

- Supply chain visibility
- 3. Dispatching party
  - Order creation and processing
  - Carrier selection
  - Transportation booking
- 4. Receive party
  - Customs clearance
  - Brokers/agents
  - Storage and warehousing
  - Financial settlement
  - Communication with exporters
- 5. Warehousing, express cargo
- 6. Volume
  - Weight-volume ratio
  - Load planning
  - Cargo consolidation
- 7. Transaction details
  - Multi currency support
  - Trade financing
- 8. Purchase refund guidelines
- 9. Logistics Hub
  - Quality control
  - Order history
  - Time span
- 10. Delivery associate
  - Package verification
  - Delivery status updates
  - Customer interaction
  - Cash handling
- 11. Duration & target
  - Transit time calculation
  - Real time notification
  - Predictive analytics
- 12. Tracking
  - shipment Visibility Platforms
  - Event Notifications
  - Data sharing
- 13. Analysis & recommendation

## C. STOCK EXCHANGE

## **TECHNOLOGIES**

- ❖ **FRONT END** - HTML ,CSS JavaScript
- ❖ **BACK END** – Python
- ❖ **FRAME WORK** - Django
- ❖ **DATABASE** – MySQL

## **MINI PROJECT**

### **Domestics**

1. Admin
  - User management
    - Create, manage and assign roles
  - Order management
    - Order processing
  - Add Shipment type
2. Shipper
  - Order creation and processing
  - Freight rate calculation
    - Weight
    - Volume
    - Shipment type
  - Pickup scheduling
  - Packaging and labelling
3. Recipient
  - Address management
  - Delivery rescheduling
  - Returns and exchanges
  - Communications
  - Booking
  - Rating
  - Review and feedback
4. Quantity
  - Order fulfillment
  - Batch management
5. Carrier /delivery boy

- Delivery assignment
- Packages verification
- Proof of delivery
- Damage reporting

#### 6. Review & suggestion

- Anonymous feedbacks
- Feedback surveys

#### 7. Refund policy

### **International**

#### 1. Supervisor

- Shipping coordination
- Order monitoring and management
- International trade regulations
- Add Shipment type

#### 2. Recipient

- Delivery preferences
- Delivery notifications
- Address management
- Delivery rescheduling
- Returns and exchanges
- Communications
- Booking
- Rating
- Review and feedback

#### 3. Dispatching party

- Order creation and processing
- Carrier selection
- Transportation booking

#### 4. Receive party

- Customs clearance
- Brokers/agents
- Storage and warehousing

#### 5. Warehousing, express Cargo

#### 6. Volume

- Weight-volume ratio
- Load planning
- Cargo consolidation

## 7. Purchase refund guidelines

### **MAIN PROJECT**

#### **Domestics**

1. Delivering portal
  - Delivery status updates
  - Delivery schedule and timing
  - Order history
  - Address management
  - Customer support interactions
2. Time & destination
  - Routing planning and optimization
  - Delivery time estimation
  - Destination address validation
3. Courier services
  - Order pickup scheduling
  - Shipment tracking
  - Route optimization
  - Delivery confirmation
  - Reattempt delivery
  - Package sorting and distribution
4. Payment
  - Invoice generation
  - Payment methods
  - Payment reminders
  - Discounts and promotions
  - Credit control and refund

#### **International**

1. Transaction details
  - Multi currency support
  - Trade financing
2. Logistics Hub
  - Quality control
  - Order history
  - Time span



### 3. Delivery Associate

- Package verification
- Delivery status updates
- Customer interaction
- Cash handling

### 4. Duration & target

- Transit time calculation
- Real time notification
- Predictive analytics

### 5. Analysis & recommendations

### 6. Tracking (MACHINE LEARNING)

- Shipment Visibility Platforms
- Event Notifications
- Data sharing