



## Problem Statement: Shipyard Website

Shipyards are essential hubs for shipbuilding, repair, and maintenance, yet many still lack a modern digital presence to showcase their facilities, services, and operational information. The challenge is to develop an intuitive and visually engaging website for a shipyard that enhances user experience, provides key information efficiently, and streamlines interaction with clients, stakeholders, and visitors.

### Key Requirements(Work Flow):

## 1. Landing Page:

- A navigation bar with the following sections:
  - 1.1 Home**
  - 1.2 About Us**
  - 1.3 Teams**
  - 1.4 Services & Products**
  - 1.5 Tender**
  - 1.6 Vigilance**
  - 1.7 Contact Us**
- Advertisement/Banner Space below the navigation bar for promotions or creative shipyard visuals.
- Facilities Section: Display shipyard facilities in image-based cards. Clicking a card should navigate to a new page showing related details (e.g., hotels, rooms, dry docks, storage, etc.).
- Shipyard Overview: Information about the shipyard, including its area and ships currently in the yard.
- History & Ownership: A section providing insights into the shipyard's legacy and leadership.
- Map Integration: An interactive map showing the shipyard's location.
- Footer: A Contact Us section with essential contact details.



## 2. Services & Products:

Each service will have its own **dedicated page** with relevant information and interactive elements.

### 2.1 Ship Building

- A page detailing the **technologies used in shipbuilding**.
- Below the description, an **"Order Now" button** to navigate to a **form page** where users can input:
  - Budget/Amount
  - Preferred Shipbuilding Technology
  - Ship Type (**Oil, Cargo, Container, etc.**)
  - Submit button to store data in a **database** for processing.

### 2.2 Ship Repair

- A page with **two options**:
  1. **Complaint Submission** – A form to enter:
    - Ship Model
    - Year of Manufacture
    - Ship Type
    - Description of the issue
  2. **Check Current Repair Status** – Displays **repair progress** using cards or a pop-up window.

### 2.3 Marine Engineering

- Displays details about **marine engineering faculty and trainers** at the shipyard.

### 2.4 Financials

- Provides **financial reports of the ship** for transparency.

### 2.5 Facilities

- Lists the **common shipyard facilities** available.



### 3. Teams Page:

This page will display the **shipyard's key personnel** in a structured format, with **images and bios** for each role.

- **1 President** – Image & Bio
- **3 Head Officers** – Images & Bios
- **3 Managers** – Images & Bios
- **6 Supervisors** – Images & Bios
- **8 Lead Engineers** – Images & Bios

### 4. Tender Page:

The **Tender** section should allow users to view and participate in shipyard-related tenders. It should include the following options:

#### 4.1 Open Tenders

- List of currently available tenders with:
  - **Tender Name**
  - **Tender Description**
  - **Deadline for Submission**
  - **Bid Amount Range**
  - **Download Tender Documents (PDF, Word, etc.)**

#### 4.2 Apply for Tender

- A form for companies or individuals to submit their bids, including:
  - **Company Name / Individual Name**
  - **Contact Details**
  - **Bid Amount**
  - **Document Upload (Proposal, Certifications, etc.)**
  - **Submit Button** (Data should be stored in a database)



## 4.3 Notifications & Updates

- Option for users to **subscribe** to tender updates via **email or SMS**.
- **Real-time updates** on tender status (e.g., “Open,” “Closed,” “Under Review,” “Awarded”).

## 5. Vigilance Page

The **Vigilance** Page ensures transparency, compliance, and security within the shipyard operations. It serves as a dedicated section for reporting grievances, maintaining ethical standards, and monitoring activities.

### 5.1 Vigilance Guidelines

- Overview of the vigilance **department’s role** in ensuring ethical practices.
- Guidelines on **preventing fraud, corruption, and unethical behavior** in the shipyard.
- Contact details of **vigilance officers** for direct communication.

### 5.2 Report an Issue (Grievance Form)

- A **form** for **employees, stakeholders, or customers** to confidentially **report** unethical activities, such as:
  - Fraudulent activities
  - Corruption
  - Safety violations
  - Harassment or misconduct
- **Form Fields:**
  - Name (Optional)
  - Contact Details (Optional)
  - Type of Complaint (Dropdown Selection)
  - Detailed Description
  - Attach Evidence (File Upload)
  - Submit Button (Data stored securely in a database)

### 5.5 FAQs on Vigilance

- Common questions regarding the vigilance process, response time, and complaint handling.



# Enhanced User Features for Shipyard

## Website Login system

### Stock Export Management

#### 1. Form Fields for Stock Export Request:

##### ◆ User & Company Details

- **Full Name** (*Auto-filled from login, editable*)
- **Company Name** (*Text field, required*)
- **Contact Number** (*Phone number, required*)
- **Email Address** (*Auto-filled, editable*)

##### ◆ Stock Details

- **Stock Name** (*Text field, e.g., "Steel Plates", "Engine Parts"*)
- **Stock Category** (*Dropdown: Machinery, Spare Parts, Raw Materials, Containers, Others*)
- **Stock Quantity** (*Numeric field with unit selection: kg, tons, units, liters, etc.*)
- **Stock Value** (₹ / \$) (*Numeric field for estimated price*)
- **Stock Condition** (*Dropdown: New, Used, Refurbished*)
- **Upload Stock Images** (*File upload, multiple images allowed*)

##### ◆ Export Destination & Shipping Details

- **Destination Country** (*Dropdown: List of countries*)
- **Destination Port** (*Text field, e.g., "Port of Singapore"*)
- **Expected Delivery Date** (*Date Picker*)
- **Mode of Transport** (*Dropdown: Ship, Air, Rail, Road*)
- **Warehouse Location** (*From where stock is picked*) (*Dropdown: List of available shipyard warehouses*)
- **Shipping Partner** (*If any*) (*Optional, text field to enter shipping company name*)

##### ◆ Export Compliance & Customs Details

- **Required Export License?** (*Yes / No radio button*)
- **Customs Declaration Form Upload** (*File Upload – PDF, DOC*)
- **Any Special Handling Instructions?** (*Textarea for additional info, e.g., "Fragile, needs cold storage"*)



♦ **Payment & Insurance Details**

- Payment Mode (*Dropdown: Online Payment, Bank Transfer, Letter of Credit, Others*)
- Insurance Required? (*Yes / No radio button*)
- Upload Insurance Documents (if available) (*File Upload – PDF, DOC*)

♦ **Terms & Confirmation**

- Checkbox: "I confirm that all the details provided are accurate and comply with export regulations."
- Submit Button (*Sends data to the shipyard database for processing & generates a tracking ID for monitoring.*)

## 2.Inventory Management System for Shipyard Website:

### 1. View Available Stock (Live Warehouse Monitoring)

Search & Filter Stock by:

- Warehouse Location (Dropdown: Select warehouse)
- Stock Type (Dropdown: Machinery, Spare Parts, Raw Materials, etc.)
- Stock Name (Text field)
- Availability Status (Dropdown: In Stock, Low Stock, Out of Stock)

Stock ID	Stock Name	Category	Available Quantity	Warehouse	Status
101	Steel Plates	Raw Material	5000 kg	Chennai Warehouse	✓ In Stock
102	Engine Parts	Machinery	50 units	Mumbai Warehouse	⚠ Low Stock
103	Wooden Panels	Raw Material	0 kg	Delhi Warehouse	



## 2. Stock History & Reports (Analytics Dashboard)

**View Stock Movement Trends** – Analyze stock inflow/outflow over time.

**Export Records** – Track past stock exports with details.

**Downloadable Reports** – Generate stock reports in PDF / Excel.

Date	Stock Name	Exported Quantity	Destination	Export Status
05-Feb-2025	Engine Parts	20 units	Singapore	✓ Delivered
10-Feb-2025	Steel Plates	1000 kg	UAE	⌚ In Transit
15-Feb-2025	Wooden Panels	500 kg	Germany	✗ Delayed

## 3. Communication & Support(footer)

- **mail with Shipyard Support** – Get real-time assistance.
- **Forum & Discussion Board** – Connect with other exporters and shipyard clients.
- **Request a Callback** – Shipyard representatives can call you for personalized support.



# Admin Panel Features for Shipyard Website

## 1. Dashboard (Overview Page)

- **Total Shipments:** Display the number of completed, in-transit, and delayed shipments.
- **Stock Summary:** Show available stock levels and low-stock alerts.
- **Recent Export Requests:** List the latest export orders with status updates.
- **User Activities:** Log recent actions taken by registered users.
- **Revenue & Financial Reports:** Overview of earnings from exports.

## 2. Services & Products Management:

- **CRUD operations for Ship Building, Repair, Marine Engineering, Financials, and Facilities.**
- View and process **shipbuilding orders**.
- Track and update ship repair complaints & statuses.

## 3. Teams Page Management:

- Add, update, and remove team members (President, Head Officers, Engineers, etc.).

## 4. Tender Management:

- View and approve/reject tender applications.
- Update tender statuses (Open, Closed, Under Review, Awarded).
- Manage bidder details and uploaded documents.

## 5. Stock & Export Management:

- Approve/reject stock export requests.
- Track warehouse inventory and generate reports.
- Monitor shipments and update delivery statuses.

## 6. User Management

- **View Registered Users**
  - Name, Email, Role (User/Admin), Last Login
- **Add New Users (Admins & Staff)**
  - Assign different roles & permissions.
- **Suspend/Activate Users**
  - Block or reactivate accounts when necessary.





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## **7. Notifications & Support:**

- Send real-time updates to customers and employees.
- Handle support tickets and callback requests.