Maintenance Module

Task Scheduling

Create Maitenance Tasks

- The admin has the authority to create different maintenance tasks. Following fields should be there:

  1. Task ID: Unique identifier for the task.

  2. Task Name: Name of the maintenance task.

  3. Description: Detailed description of the task.

  4. Frequency: How often the task should be performed (daily, weekly, monthly, annually).

  5. Next Due Date: Date when the task is next due (DD/MM/YYYY).

  6. Assigned To: Personnel responsible for the task.

  7. Category: Specific/ General - If specific then, equipment name

  8. Status: Maintains the status performed in actions

  9. Action: Mark a task as overdue, completed, in progress or critical.

  Are the maintenance general or specific for each equipment.

Assign Maintenance Tasks

- The admin has the authority to assign different maintenance tasks to team members. Following fields should be there:

  Crew Member ID: Unique identifier for the crew member.

  Crew Member Name: Name of the crew member.

  Role: Role of the crew member.

Work Orders

Create Work Order

- The admin has the authority to create different work orders. Following fields should be there:

  Work Order ID: Unique identifier for the work order.

  Task ID: Unique identifier for the task.

  Task Name: Name of the maintenance task.

  Description: Detailed description of the task.

  Priority Level: Priority of the task (High, Medium, Low).

  Start Date: Date when the work is scheduled to start (DD/MM/YYYY).

  End Date: Date when the work is expected to be completed (DD/MM/YYYY).

  Assigned To: Personnel responsible for the work order.

- Work Order Execution
  - The admin has the authority to manage the status or execution of work orders. Following fields should be there:

    Work Order ID: Unique identifier for the work order.

    Status: Current status of the work order (Not Started, In Progress, Completed)

    Start Date: Date when the work started (DD/MM/YYYY).

    End Date: Date when the work completed (DD/MM/YYYY).

    Remarks: Additional remarks or notes.

Task History

- Record Maintenance History

- The maintenance history can be recorded by the super admin.

  History ID: Unique identifier for the history record.

  Task ID: Unique identifier for the task.

  Task Name: Name of the maintenance task.

  Date Completed: Date when the task was completed (DD/MM/YYYY).

  Completed By: Personnel who completed the task.

  Remarks: Additional remarks or notes.

- Generate Maintenance History
  - The maintenance task reports can be generated in pdfs.

    Start Date: Start date for the report (DD/MM/YYYY).

    End Date: End date for the report (DD/MM/YYYY).

    Filter By: Filter criteria (Task Name, Task ID, Completed By).

Equipment Management

- Document Equipments

- The equipments can be managed in the following way:

  Equipment ID: Unique identifier for the equipment.

  Equipment Name: Name of the equipment.

  Description: Detailed description of the equipment.

  Safety Impact: Low, Medium, high

  Operational Impact: Low, Medium, high

  Regulatory Compliance: Low, Medium, high

  Economic Impact: Low, Medium, high

  Criticality Score: Numerical score indicating the criticality.

  Category: Category based on the criticality score (High, Medium, Low).

  Location: Physical location of the equipment on the vessel.

  Add a CTA to create a maintenance task for the following equipment if its criticality is high

Notifications and Alerts

- Setup Notifications
  - Notification ID: Unique identifier for the notification.

    Type: Type of notification (Email, SMS).

    Recipient: Personnel to receive the notification.

    Message: Content of the notification.
- Setup Alerts
  - Alert ID: Unique identifier for the alert.

    Alert Type: Type of alert (e.g., Maintenance Due, Safety Inspection).

    Alert Date: Date when the alert was sent (DD/MM/YYYY).

    Message: Content of the alert.