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.