

VIEW OR UPDATE DATA



NETRA

HOME PAGE



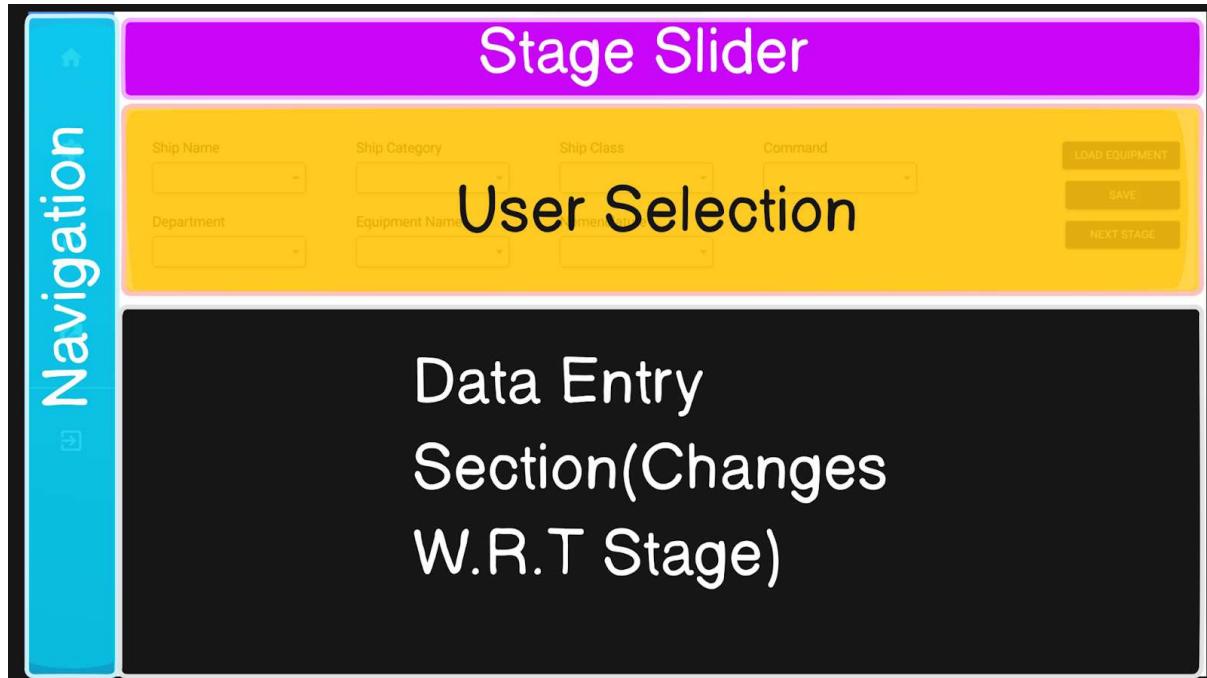
MODULE UNDER CONSIDERATION :- VIEW OR UPDATE DATA



The View or Update Data module encompasses various submodules, including Data Manager, which enables users to add operational and maintenance data, fostering a comprehensive repository. This submodule also plays a crucial role in parameter estimation by providing essential inputs for accurate analysis and prediction of equipment performance. Additionally, the module allows users to incorporate historical records, add new ships, attach system documents, and input sensor data, creating a versatile framework for both viewing and updating critical information related to equipment management within the software system.

DATA MANAGER:-

STRUCTURE OF DATA MANAGER:-



Navigation:- contains different buttons to various modules and home.



BUTTONS:

Buttons	Uses
LOAD EQUIPMENT	Sets the equipment for data entry
SAVE	Saves the data to the database
NEXT STAGE	Slides you to the next stage
BACK	Brings you back to the previous stage

Stage slider:- its a slider which slides between various data entry steps ,indicates which type of data entry we are performing

stages :-

1. Operational Data
2. Maintenance Data
3. Parameter Estimation



User Selection:- contains Selections required to filter out the equipment and the nomenclature

Selections:-

1. Ship name
2. Ship category
3. Ship class
4. Command
5. Department
6. Equipment
7. Nomenclature

Ship Name <input type="text" value="SHIP 1"/>	Ship Category <input type="text" value="DESTROYER"/>	Ship Class <input type="text" value="KOLKATA(P-15A)"/>	Command <input type="text" value="WESTERN"/>	<input type="button" value="BACK"/>	<input type="button" value="LOAD EQUIPMENT"/>
Department <input type="text" value="ENGINEERING"/>	Equipment Name <input type="text" value="GAS TURBINE"/>	Nomenclature <input type="text" value="GT 1"/>		<input type="button" value="NEXT STAGE"/>	<input type="button" value="SAVE"/>

NOTE:-

All guidance will be based on the reference nomenclature GT1 (Gas Turbine as equipment).

DATA-ENTRY SECTION

Slider Stage 1: Operational Data

Date	Monthly Utilization
<input type="text"/> August/2021	0

[+ ADD ROW](#) [DELETE ROWS](#)

Steps to save Monthly Utilization(Operational Data) to the database:-

1. Click on the "Add Row" button to add as many rows as needed for the monthly utilization entries.
2. Set the date in the date column for each row, specifying the corresponding month.
3. Enter the monthly utilization in hours for each added row.
4. After inputting the necessary data, click on the "Save" button in the "User Selection" section to store the monthly utilization information in the database.

SLIDER STAGE 2:MAINTENANCE DATA

Equipment Name	EventType	Date	Maintenance Type	Replace Compon...	Cannibalised Age	Maintenance Dura...	Failure Mode	Remark
No Rows To Show								

[+ ADD ROW](#) [DELETE ROWS](#)

Column in Maintenance Data stage:-

1. "Equipment Name"
2. "EventType"
3. "Date"

4. "Maintenance Type"
5. "Replace Component Type"
6. "Cannibalised Age"
7. "Maintenance Duration"
8. "Failure Mode"
9. "Remark"

Steps to save Maintenance Data:-

1. Fill in the details in the columns for "Equipment Name," "EventType," "Date," "Maintenance Type," "Replace Component Type," "Cannibalised Age," "Maintenance Duration," "Failure Mode," and "Remark".
2. Click on the "Save" button in the "User Selection Section" to save the entered details.

SLIDER STAGE 2:PARAMETER ESTIMATION

Select Equipment SUBMIT REESTIMATE PARAMETERS

Equipment Name	alpha	beta
No Rows To Show		

Note:-Please use those equipment whose overhaul data is present.

Steps to parameter estimation:-

1. Navigate through the user selection fields, including "Ship Name," "Ship Category," "Ship Class," "Command," "Department," and "Equipment", "Nomenclature" and Click "LOAD EQUIPMENT".

Ship Name SHIP 1	Ship Category DESTROYER	Ship Class KOLKATA(P-15A)	Command WESTERN
Department ENGINEERING	Equipment Name GAS TURBINE	Nomenclature GT 1	LOAD EQUIPMENT BACK
			SAVE NEXT MODULE

2. In the "Select Equipment" dropdown, choose the desired equipment and click on the "Submit" button. This action will generate a row with relevant information.

Select Equipment

GT 1 

SUBMIT RE ESTIMATE PARAMETERS

Equipment Name	alpha	beta
GT 1		

3. To view or update parameters, click on the "Re Estimate Parameters" button. This will load the parameters into the row.

Select Equipment

GT 1 

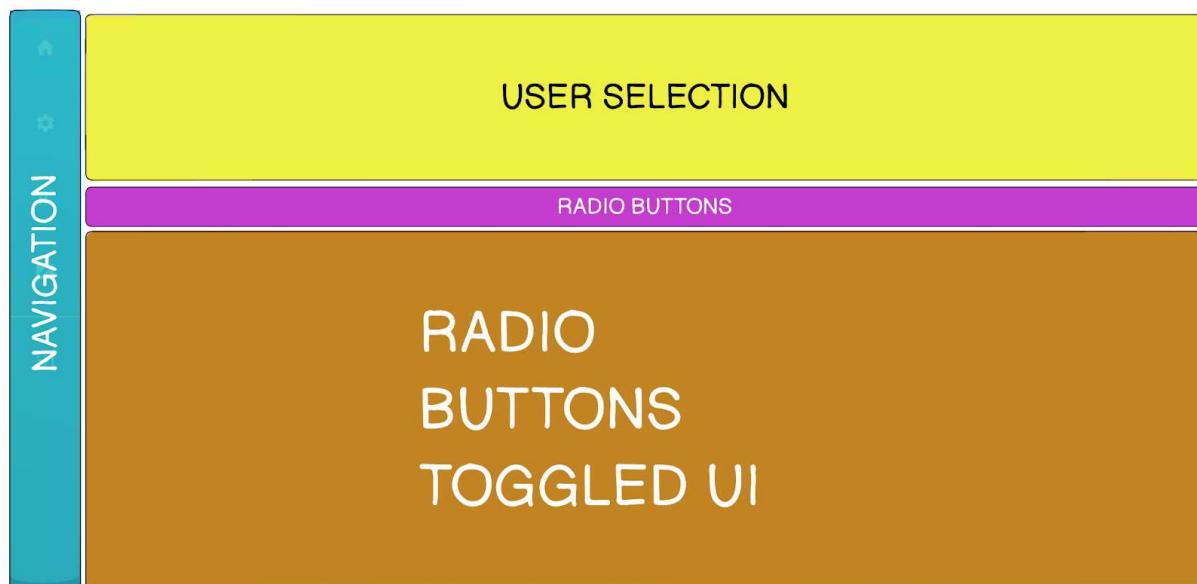
SUBMIT RE ESTIMATE PARAMETERS

Equipment Name	alpha	beta
GT 1	0.000038747299862440136	1.2974774516640408

 Reestimated Parameters Successfully 

HISTORICAL DATA:-

STRUCTURE OF HISTORICAL DATA



Navigation:- contains different buttons to various modules and home.



User Selection:- contains Selections required to filter out the equipment and the nomenclature

Selections:-

1. Ship name
2. Ship category

3. Ship class
4. Command
5. Department
6. Equipment
7. Nomenclature

Ship Name	Ship Category	Ship Class	Command	
SHIP 1	DESTROYER	KOLKATA(P-15A)	WESTERN	<input type="button" value="BACK"/> <input type="button" value="LOAD EQUIPMENT"/> <input type="button" value="NEXT STAGE"/> <input type="button" value="SAVE"/>
Department	Equipment Name	Nomenclature		
ENGINEERING	GAS TURBINE	GT 1		

NOTE:-

All guidance will be based on the reference nomenclature GT1 (Gas Turbine as equipment).

Radio Buttons

Manual Data Entry Insert From another ship Insert Overhaul Hours

Buttons:

Buttons	Uses
<input type="button" value="LOAD EQUIPMENT"/>	Sets the equipment for data entry.
<input type="button" value="SAVE"/>	Saves the data to the database.
<input type="button" value="BACK TO PARAMETER ESTIMATION"/>	Brings you back to the parameter estimation sub-module.
<input type="button" value="ADD ROW"/>	Adds a row to the table.
<input type="button" value="DELETE ROW"/>	Deletes a row after selecting the checkbox for a row.
<input type="button" value="UPDATE ALPHA BETA"/>	Copies Alpha and Beta values of equipment from the source ship to similar equipment on the target ship.
<input type="button" value="SUBMIT"/>	Sets the number of overhauls in the manual data entry radio button and sets the target ship, equipment, and nomenclature to copy Alpha and Beta values from the source ship to the target ship.

Radio Buttons Toggled UI

Manual Data Entry:

Manual Data Entry Insert From another ship Insert Overhaul Hours

Number of Overhauls: 0 SUBMIT

Overhaul Number	Performed at Running Age (hours)	Total Maintenance Events in this Overhaul	
No Rows To Show			
Date (DD/MM/YYYY)	Maintenance Type	Running Age After Previous Overhaul	Associated Sub-System
Overhaul 0 to Present			

Insert From Another Ship:

Manual Data Entry Insert From another ship Insert Overhaul Hours

Ship Name Equipment Name Select Nomenclature SUBMIT

Insert Overhaul Hours:-

After Loading the equipment rest of the UI will be visible

Manual Data Entry Insert From another ship Insert Overhaul Hours

Steps for manual data entry

1. Navigate Through Input Fields:

- Open the data entry interface or form.
- Navigate through the following input fields: ship name, ship category, ship class, command, department, equipment name, and nomenclature.

The screenshot shows a data entry form with the following fields:

- Ship Name: SHIP 1
- Ship Category: DESTROYER
- Ship Class: KOLKATA(P-15A)
- Command: WESTERN
- Department: ENGINEERING
- Equipment Name: GAS TURBINE
- Nomenclature: GT 1

Buttons at the bottom right include: LOAD EQUIPMENT, BACK TO PARAMETER ESTIMATION, and SAVE.

2. Load Equipment:

- After entering the necessary information, click on the "Load Equipment" button.

The screenshot shows the same data entry form as before, but the LOAD EQUIPMENT button is highlighted in blue, indicating it has been clicked.

3. Select the Radio Button for Manual Data Entry:

- Locate the option for manual data entry.
- Select the radio button or checkbox indicating manual entry mode.

The screenshot shows the data entry form with the Manual Data Entry radio button selected. Other options like Insert From another ship and Insert Overhaul Hours are also present but not selected.

4. Enter Number of Overhauls:

- Input the number of overhauls for the equipment.
- Click on the appropriate field to enter this information.
- Once entered, proceed to the next step.

The screenshot shows a form with a single input field labeled "Number of Overhauls" containing the value "1". A "SUBMIT" button is located to the right of the input field.

5. Submit Overhaul Information:

- After entering the number of overhauls, click on the "Submit" button or similar action to save the information.

Manual Data Entry Insert From another ship Insert Overhaul Hours

Number of Overhauls: 1

SUBMIT

6. Enter Overhaul Hours and Maintenance Events:

- For each overhaul, enter the overhaul hours and the total number of maintenance events that occurred during that overhaul.
- Repeat this step for each overhaul if there are multiple overhauls.

Manual Data Entry Insert From another ship Insert Overhaul Hours

Number of Overhauls: 1

SUBMIT

Overhaul Number	Performed at Running Age (hours)	Total Maintenance Events in this Overhaul
1	6000	4
Initiation to Overhaul 1		
--/--/----	--Select--	0
Overhaul 1 to Present		

7. Enter Overhaul Data:

- Locate the table or section for entering overhaul data.
- For each maintenance event or as applicable, enter overhaul data such as overhaul type, description, and any other relevant information.
- Ensure you provide accurate and detailed overhaul data for comprehensive record-keeping.

Manual Data Entry Insert From another ship Insert Overhaul Hours

Number of Overhauls: 1

SUBMIT

Overhaul Number	Performed at Running Age (hours)	Total Maintenance Events in this Overhaul
1	6000	4
Initiation to Overhaul 1		
10/01/2023	Corrective Maintenance	1000
10/02/2023	Corrective Maintenance	2000
10/03/2023	Corrective Maintenance	4000
10/04/2023	Corrective Maintenance	8000
Overhaul 1 to Present		

8. Save:

- Once all required information, including overhaul details and overhaul data, has been entered, click on save.
- Verify that the data has been successfully recorded and is reflected in the system.

Steps for Insert From Another Ship

1. Navigate Through Input Fields:

- Open the data entry interface or form.
- Navigate through the following input fields: ship name, ship category, ship class, command, department, equipment name, and nomenclature

The screenshot shows a horizontal row of input fields and dropdown menus. From left to right:

- Ship Name:** SHIP 1
- Ship Category:** DESTROYER
- Ship Class:** KOLKATA(P-15A)
- Command:** WESTERN
- Department:** ENGINEERING
- Equipment Name:** GAS TURBINE
- Nomenclature:** GT 1

 To the right of these fields are three buttons: **LOAD EQUIPMENT** (dark blue), **BACK TO PARAMETER ESTIMATION** (light blue), and **SAVE** (dark blue).

2. Load Equipment:

- After entering the necessary information, click on the "Load Equipment" button.

This screenshot is identical to the one above, showing the same input fields and button layout. The **LOAD EQUIPMENT** button is highlighted with a dark blue background and white text.

3. Select the Radio Button for Insert from Another Ship:

- Locate the option for inserting data from another ship.
- Select the radio button or checkbox indicating the intent to insert data from another ship.

At the top, there are three radio buttons:

- Manual Data Entry
- Insert From another ship
- Insert Overhaul Hours

 Below the radio buttons are three input fields:

- Ship Name:** (dropdown menu)
- Equipment Name:** (dropdown menu)
- Select Nomenclature:** (dropdown menu)

 To the right of the dropdowns is a **SUBMIT** button.

4. Select Ship, Equipment Names, and Nomenclatures:

- Choose the source ship from which you want to copy data.
- Select the specific equipment names and nomenclatures you want to insert into the current ship.

Manual Data Entry
 Insert From another ship
 Insert Overhaul Hours

Ship Name	Equipment Name	Select Nomenclature
<input type="text" value="SHIP 2"/>	<input type="text" value="GAS TURBINE"/>	<input type="button" value="SUBMIT"/>
		<input type="button" value="GT 11 X"/> <input type="button" value="GT 12 X"/> <input type="button" value="GT 13 X"/> <input type="button" value="GT 14 X"/>

5. Submit the Request:

- Click on the "Submit" button or similar action to initiate the process of copying data from the source ship to the selected ship.

Manual Data Entry
 Insert From another ship
 Insert Overhaul Hours

Ship Name	Equipment Name	Select Nomenclature
<input type="text" value="SHIP 2"/>	<input type="text" value="GAS TURBINE"/>	<input type="button" value="SUBMIT"/>
		<input type="button" value="GT 11 X"/> <input type="button" value="GT 12 X"/> <input type="button" value="GT 13 X"/> <input type="button" value="GT 14 X"/>

Component Name	Alpha	Beta		
GT 11	0.000025	1.974775		
GT 12	0.000029	1.297477		
GT 13	0.000033	1.329000		
GT 14	0.000029	1.797477		
Average	0.000029	1.599682		
Ship Name: SHIP 1	Equipment: GAS TURBINE	Nomenclature: GT 1	Alpha: 0.000029	Beta: 1.599682

6. Update Alpha beta:

- Click on Update Alpha beta to confirm the insertion of data from another ship. It will update the alpha beta of the equipment on another ship.

Steps to Insert Overhaul Hour:

1. Navigate through input fields:
 - Ship name
 - Ship category
 - Ship class
 - Command department

- Equipment and nomenclature

Click on "load."

Ship Name SHIP 1	Ship Category DESTROYER	Ship Class KOLKATA(P-15A)	Command WESTERN	LOAD EQUIPMENT
Department ENGINEERING	Equipment Name GAS TURBINE	Nomenclature GT 1		BACK TO PARAMETER ESTIMATION SAVE

2. Enter the overhaul occurring interval in the below table.

<input type="radio"/> Manual Data Entry	<input type="radio"/> Insert From another ship	<input checked="" type="radio"/> Insert Overhaul Hours
Equipment Nomenclature		
GT 1		Performed at Running Age (hours)
		6000

3. Click on the "save" button.

Ship Name SHIP 1	Ship Category DESTROYER	Ship Class KOLKATA(P-15A)	Command WESTERN	LOAD EQUIPMENT
Department ENGINEERING	Equipment Name GAS TURBINE	Nomenclature GT 1		BACK TO PARAMETER ESTIMATION SAVE

<input type="radio"/> Manual Data Entry	<input type="radio"/> Insert From another ship	<input checked="" type="radio"/> Insert Overhaul Hours
Equipment Nomenclature		
GT 1		Performed at Running Age (hours)
		6000

ADD NEW SHIP:-

Buttons:

Buttons	Uses
<input type="button" value="SAVE"/>	Saves the data to the database.

STEPS TO CREATE NEW SHIP IN NETRA:-

1. Enter Command Name:

- Input the command name for the ship. This is a unique identifier for the ship's leadership or control.

2. Enter Ship Category:

- Type in the ship's category. This could include categories such as military, commercial, research, etc.

3. Enter Ship Class:

- Specify the ship class within the selected category. Ship classes often denote the size, capabilities, and general purpose of the vessel.

4. Enter Department Name:

- Identify and enter the names of various ship departments or divisions. This could include engineering, navigation, security, etc.

5. Enter Ship Name:

- Provide a name for the ship. This is the title by which the vessel will be commonly referred to.

6. Click Save:

- After entering all the necessary information, click the "Save" button to store the details and create the ship profile.

ADD SYSTEM DOCS:-

STRUCTURE OF ADD SYSTEM DOCS:-

The screenshot shows a user interface titled "USER SELECTION". On the left, a vertical teal bar is labeled "NAVIGATION". The main area has a yellow header with input fields for "Ship Name", "Ship Category", "Ship Class", "Command", "Department", "Equipment Name", and "Nomenclature". Below the header is a blue button labeled "UPLOAD/DOWNLOAD TOGGLE". At the bottom, there is a green bar with a file upload input field labeled "Choose File" and a placeholder "New document". The text "UPLOAD/DOWNLOAD TOGGLED UI" is overlaid on this green bar.

UPLOAD TOGGLED UI:-

The screenshot shows the Netra application's equipment management module. On the left is a vertical blue sidebar with icons for Home, Settings, Reports, and Logout. The main content area has a white header bar with the Netra logo. Below the header is a search bar with fields for Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature, each with a dropdown arrow. To the right of these fields is a dark blue button labeled "LOAD SYSTEM". Below the search bar are two buttons: "UPLOAD" and "DOWNLOAD". Underneath these buttons is a file input field with the placeholder "Choose File No file chosen" and a grey "UPLOAD FILE" button. The bottom of the screen shows a dark footer bar.

Buttons:

Buttons	Uses
LOAD EQUIPMENT	Sets the equipment for data entry.
UPLOAD FILE	Uploads the document into Netra.
DOWNLOAD FILE	Downloads specific files related to the specific equipments.

Steps to Upload Equipment File:

1. Navigate Through Fields:

- Navigate through the input fields such as Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature.
- Fill in the required information for Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature.

2. Load Equipment:

- After entering the necessary information, click on the "Load Equipment" button. This action will set the equipment for which the files need to be uploaded.

3. Choose Upload Option:

- Look for an option or toggle for "Upload/Download." Choose the "Upload" option from this toggle.

4. Select File:

- Click on the "Choose File" button to open your file explorer.

5. Choose the File to Upload:

- Navigate to the location of the file you want to upload.
- Select the file by clicking on it.

6. upload File:

- Once you have chosen the file, click on the "Upload" button.

DOWNLOAD TOGGLED UI:-

The screenshot shows a user interface for managing ship equipment. On the left is a vertical sidebar with icons for Home, Settings, Lists, and Downloads. The main content area contains several input fields: Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature, each with a dropdown arrow. Below these fields are two buttons: 'UPLOAD' and 'DOWNLOAD'. To the right of the fields is a large, empty text area with a 'DOWNLOAD FILE' button at the bottom right. A dropdown menu is partially visible on the right side of the main area.

Steps to Download Equipment File:

1. Navigate Through Fields:

- Navigate through the input fields such as Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature.

- Fill in the required information for Ship Name, Ship Category, Ship Class, Command, Department, Equipment Name, and Nomenclature.

2. Load Equipment:

- After entering the necessary information, click on the "Load Equipment" button. This action will set the equipment for which the files need to be downloaded.

3. Choose Download Option:

- Look for an option or toggle for "Upload/Download." Choose the "Download" option from this toggle.

4. Select File to Download:

- Instead of clicking on the "Choose File" button, there should be a dropdown menu listing files associated with the selected equipment.

5. Choose the File to Download:

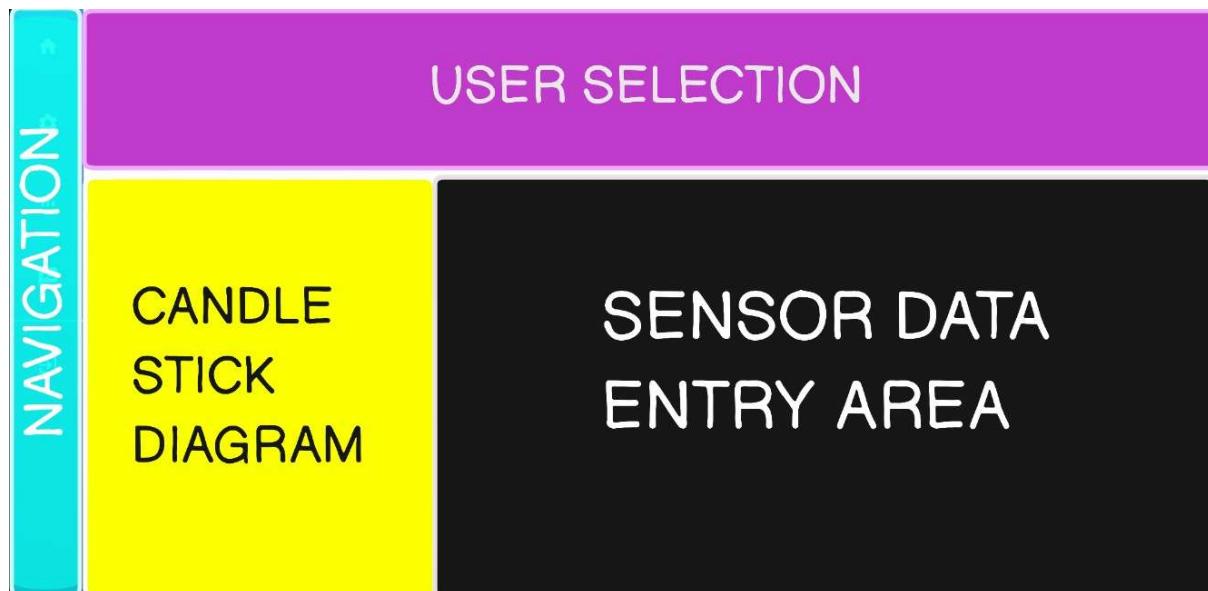
- Select the file you want to download from the dropdown list.

6. Initiate Download:

- Once you have chosen the file, initiate the download process. Then click on a "Download" button.

ADD SENSOR DATA:-

STRUCTURE OF ADD SENOR DATA



BUTTONS:

Buttons	Use
Submit	Set the equipment selected in the user selection for adding sensor data.
Import File	Upload the sensor data CSV and display the data in tabular format.
Download Blank CSV	Download a blank CSV with predefined Excel columns used to create a sensor data CSV.
Save	Saves the sensor data to the database.
ADD ROW	Adds a row to the table.

Steps to Add Sensor Data:

1. Navigate through input fields:

- Ship name
- Ship category
- Ship class
- Command department

- Equipment and nomenclature
- Click on "Load Equipment."

Ship Name SHIP 1	Ship Category DESTROYER	Ship Class KOLKATA(P-15A)	Command WESTERN
Department ENGINEERING	Equipment Name GAS TURBINE	Nomenclature GT 1	SUBMIT

2. Loaded equipment will be visible in the candlestick diagram area.



3. Select the component for which you want to enter the sensor data.

The screenshot shows a user interface for sensor data entry. On the left, there is a blue sidebar with a white input field containing "GT 1". To the right, there is a main panel with a header "Select Component" containing "GT 1". Below the header are three buttons: "IMPORT FILE", "DOWNLOAD BLANK CSV", and a table header row with columns "DateTime", "Channel/Parameter Name", "Value", and "Operating Hours". A message "No Rows To Show" is displayed below the table.

4. If you have an Excel sheet with the data:

- Click on "Import File" and upload the CSV file.
- The data will be visible in the sensor data entry area in a table format.
- Verify the data.

The screenshot shows the same user interface as above, but now it displays data in the table. The table contains six rows of data, each representing a measurement at different dates and times. The data is as follows:

DateTime	Channel/Parameter Name	Value	Operating Hours
22/09/2023, 12:51:40	Temperature	263	500
23/09/2023, 12:51:40	Temperature	178	1000
24/09/2023, 12:51:40	Temperature	297	1500
25/09/2023, 12:51:40	Temperature	224	2000
26/09/2023, 12:51:40	Temperature	312	2500
27/09/2023, 12:51:40	Temperature	167	3000

At the bottom of the table, there are two buttons: "+ ADD ROW" and "SAVE".

If you dont have an Excel sheet with data:-

- Click on “Add Row” button ,which will create a empty row.
- Enter the data for respective columns in the empty row created.

5. Click on the "Save" button.

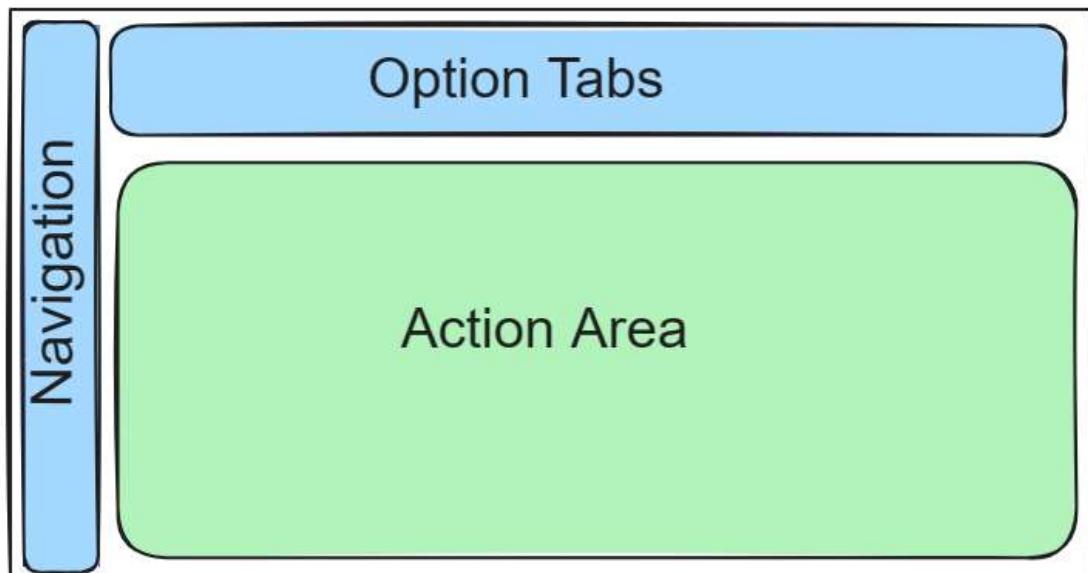
The screenshot shows the same user interface as the previous ones. The table now has seven rows of data, including the new row added by the user. The data is as follows:

DateTime	Channel/Parameter Name	Value	Operating Hours
22/09/2023, 12:51:40	Temperature	263	500
23/09/2023, 12:51:40	Temperature	178	1000
24/09/2023, 12:51:40	Temperature	297	1500
25/09/2023, 12:51:40	Temperature	224	2000
26/09/2023, 12:51:40	Temperature	312	2500
27/09/2023, 12:51:40	Temperature	167	3000

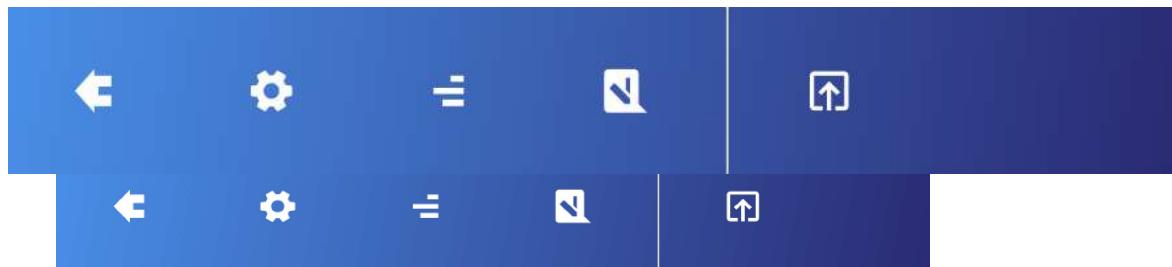
At the bottom of the table, there are two buttons: "+ ADD ROW" and "SAVE".

CMMS TO NETRA:

Structure of CMMS TO NETRA:-



Navigation:-



Option Tabs:-

REGISTER EQUIPMENT UNREGISTER EQUIPMENT DELETE SPECIFIC INFORMATION TRANSFER DATA FROM CMMS

REGISTER EQUIPMENT:

The screenshot shows a user interface for registering equipment. At the top, there are four navigation links: 'REGISTER EQUIPMENT' (underlined), 'UNREGISTER EQUIPMENT', 'DELETE SPECIFIC INFORMATION', and 'TRANSFER DATA FROM CMMS'. Below these are two input fields: 'Ship Name' and 'Nomenclature'. A dark blue 'SUBMIT' button is positioned between them. To the right of the 'Nomenclature' field is a toggle switch labeled 'Register All Equipments at Once'.

Action Area:-

The action area for Register Equipment has 2 modes

1. REGISTER SINGLE EQUIPMENT (DEFAULT)
2. REGISTER ALL EQUIPMENT AT ONCE

Steps :-

REGISTER SINGLE EQUIPMENT (DEFAULT)

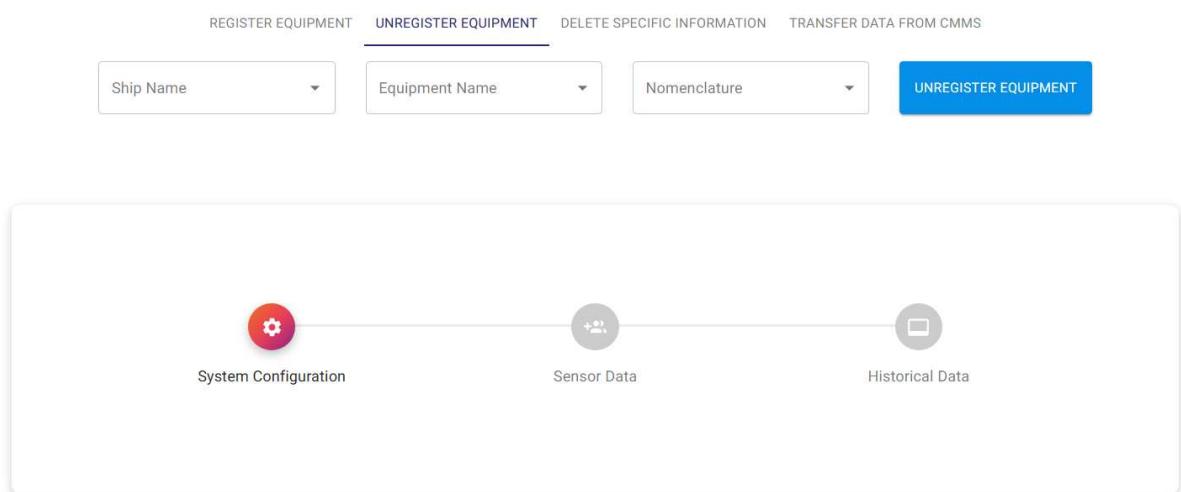
1. Enter the ship name and nomenclature of the single equipment which you want to register in Netra.
2. Click on the “Submit” button.

REGISTER ALL EQUIPMENT AT ONCE

1. Toggle the register all equipment at once button.
2. Enter ship name and click on “Submit” button.

3. All equipment belonging to that ship will get automatically get registered in Netra.

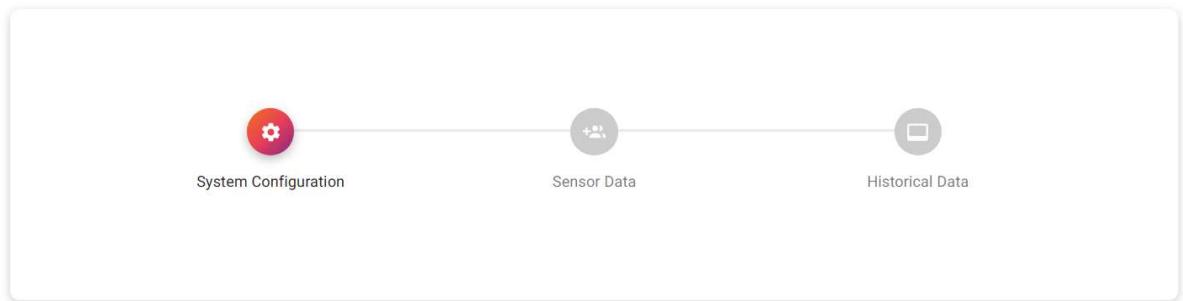
UNREGISTER EQUIPMENT:



The screenshot shows a user interface for unregistering equipment. At the top, there are four navigation links: "REGISTER EQUIPMENT", "UNREGISTER EQUIPMENT" (which is underlined, indicating it is the active page), "DELETE SPECIFIC INFORMATION", and "TRANSFER DATA FROM CMMS". Below these are three input fields with dropdown menus: "Ship Name", "Equipment Name", and "Nomenclature". To the right of these fields is a blue rectangular button labeled "UNREGISTER EQUIPMENT".

Action Area:-

Ship Name Equipment Name Nomenclature UNREGISTER EQUIPMENT



USER SELECTION:-

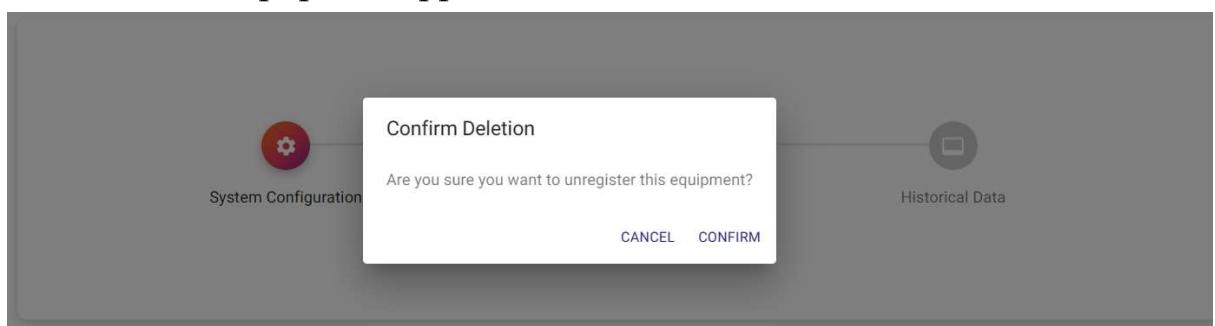
Ship Name Equipment Name Nomenclature UNREGISTER EQUIPMENT

STEPS TO UNREGISTER EQUIPMENT:

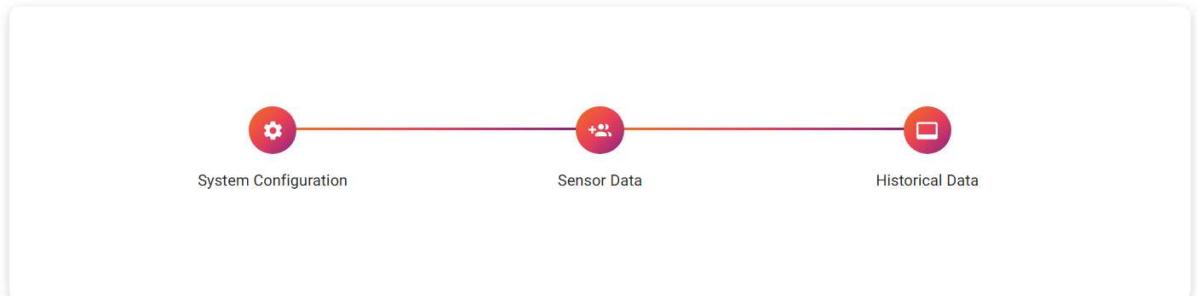
1. Fill the user selection fields and click on “UNREGISTER EQUIPMENT” button.

Ship Name: SHIP 1 Equipment Name: GAS TURBINE Nomenclature: GT 1 UNREGISTER EQUIPMENT

2. A confirmation pop will appear.



3. Click on “Confirm”, The step slider will slide and a pop up message will indicate the completion of the process.



Information successfully Deleted.

DELETE SPECIFIC INFORMATION:

REGISTER EQUIPMENT UNREGISTER EQUIPMENT DELETE SPECIFIC INFORMATION TRANSFER DATA FROM CMMS

Ship Name Equipment Name Nomenclature Information Type **FETCH INFORMATION**

Search

Fill The Above Information

Action Area:-

Ship Name Equipment Name Nomenclature Information Type **FETCH INFORMATION**

Search

Fill The Above Information

USER SELECTION:-

Ship Name	Equipment Name	Nomenclature	Information Type	FETCH INFORMATION
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Information Type	Table Name
Redundancy & Parallel Information	redundancy_data
Maintenance Information	maintenance_configuration_data
Failure Mode	failure_modes
Duty Cycle	duty_cycle
Additional Information Info	system_config_additional_info
Operational Data	operational_data
Overhaul Hours	data_manager_overhauls_info
Overhaul Information	data_manager_overhaul_maint_data
Alpha & Beta	alpha_beta
Sensor	sensor_based_data
Sensor Data	parameter_data

NOTE:-

The deletion of a particular sensor will result in the removal of its associated sensor data as well.

Steps to delete a specific information:

For simplicity of the manual we will only see deletion of Failure mode as an example. For the rest of the information types it's a similar process.

1. Fill the user selection fields, select the information type and click on the “FETCH INFORMATION” button.

Ship Name SHIP 2	Equipment Name GAS TURBINE	Nomenclature GT 11	Information Type Failure Mode	FETCH INFORMATION
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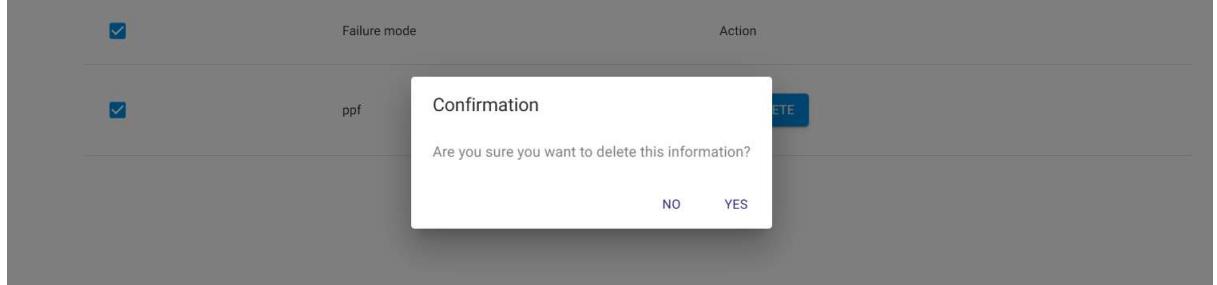
2. A table with that information specific to that equipment will be seen below in the action area.

Search	Failure mode	Action
	ppf	DELETE

3. Select the one you want to delete.

<input checked="" type="checkbox"/>	Failure mode	Action
<input checked="" type="checkbox"/>	ppf	DELETE

4. Click on the “DELETE” button, a confirmation box will pop up and click on “YES” .



5. Selected data will be deleted.

TRANSFER DATA FROM CMMS:

REGISTER EQUIPMENT UNREGISTER EQUIPMENT DELETE SPECIFIC INFORMATION TRANSFER DATA FROM CMMS

Ship Name

Search

Equipment Name	Nomenclature	Transfer Status	Action
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Action Area:-

Ship Name

Search

Equipment Name	Nomenclature	Transfer Status	Action
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USER SELECTION:-

Ship Name

NOTE:-If number of equipment is more than 5 for the update now feature of ETL, it may lead to excessive load on ETL process.

Steps to enable transfer of data:-

1. Select the ship Name ,click on the “FETCH EQUIPMENT” button.

2. A list of equipment will appear.

Ship Name		SHIP 1	FETCH EQUIPMENT	UPDATE NOW
Search				
Equipment Name	Nomenclature	Transfer Status	Action	
GAS TURBINE	GT 3	✗	ENABLE TRANSFER	DISABLE TRANSFER
GAS TURBINE	GT 4	✗	ENABLE TRANSFER	DISABLE TRANSFER
GENERATOR	GTG 1	✗	ENABLE TRANSFER	DISABLE TRANSFER
GENERATOR	GTG 2	✗	ENABLE TRANSFER	DISABLE TRANSFER
GENERATOR	GTG 3	✗	ENABLE TRANSFER	DISABLE TRANSFER
AC PLANT	AC 1	✗	ENABLE TRANSFER	DISABLE TRANSFER
AC PLANT	AC 2	✗	ENABLE TRANSFER	DISABLE TRANSFER

3. click on “Enable Transfer”.

Equipment Name	Nomenclature	Transfer Status	Action
GAS TURBINE	GT 3	✓	ENABLE TRANSFER DISABLE TRANSFER

4. This will set that particular equipment for the ETL process.
5. And if you want to update it manually,click on the “update now” button.