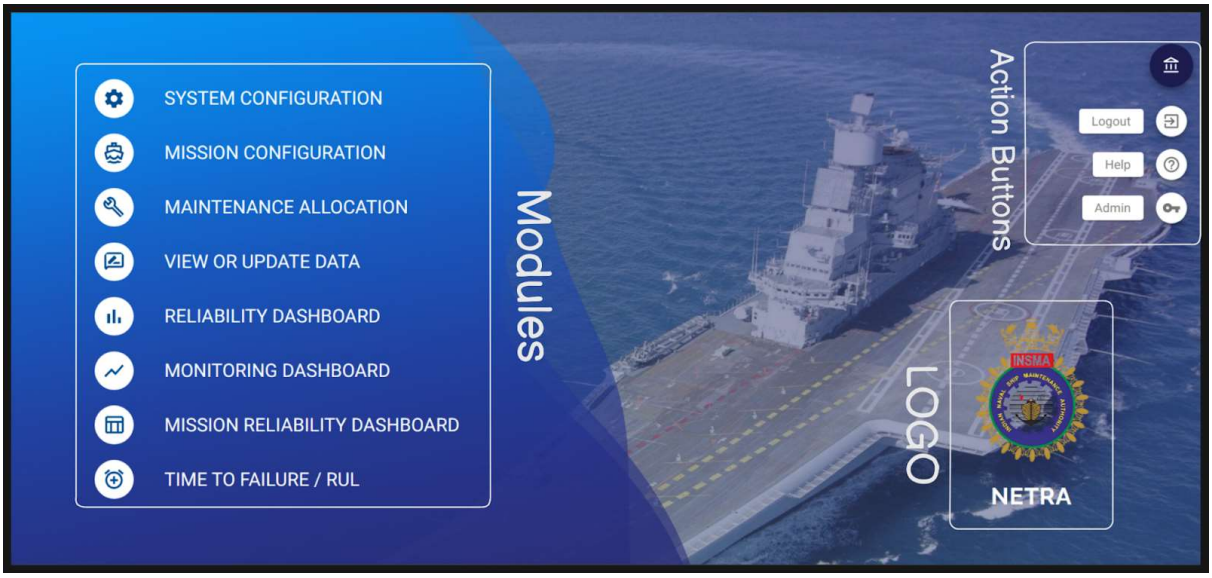
# SYSTEM CONFIGURATION


# NETRA

# HOME PAGE



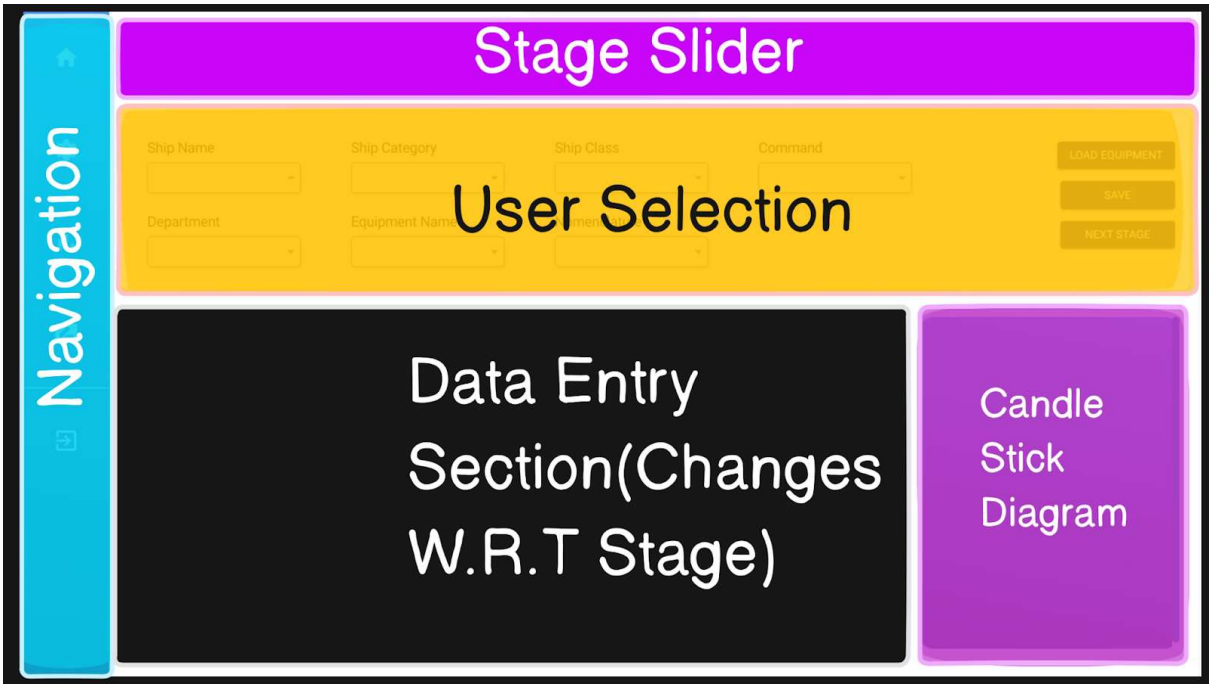

## MODULE UNDER CONSIDERATION :- SYSTEM CONFIGURATION

The system configuration module helps you put in information about equipment. You can set up relationships between different parts of the equipment, like parent and child connections or how things are arranged in parallel or series. It also lets you add details about what could go wrong (Failure Mode/Symptoms), how often the equipment is used (Duty Cycle), and information about maintenance. Think of it like a central place where you can add all the important details about your equipment. This makes it easier to take care of the equipment and manage it well to avoid problems.

**NOTE:-**

**You can only set up information for one equipment at a time using the system configuration module.**

# STRUCTURE OF THE SYSTEM CONFIGURATION MODULE




**Terms Used in The Documentation:-**
**Standard Name:** Officially recognized and standardized designation for equipment, providing clarity and consistency; e.g., "MAIN ENGINE GAS TURBINE (DT-59) ZORYA."

**Non-Standard Name (Nomenclature):** Unofficial or colloquial name within an organization for simplified communication; e.g., "GT1" as a common shorthand.

**Candle-Stick-Diagram:** Structures generated by clicking the Load Equipment button during Equipment Structuring. For Reference see the Structure of the system configuration module

**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 |
| NEXT MODULE | Takes you to Data Manager Module |

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

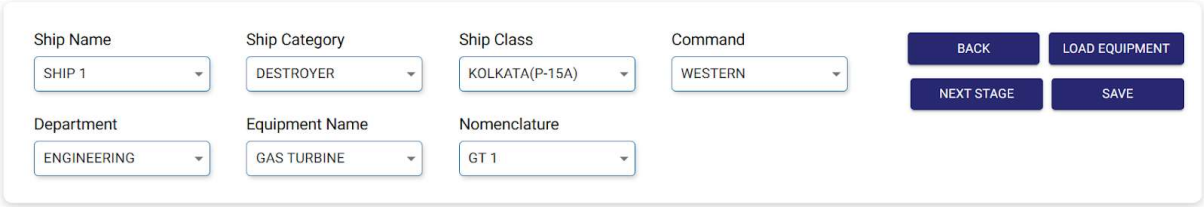
**stages :-**

1. Equipment Structuring
2. Redundancy & Parallel Information
3. Maintenance Information
4. Failure Mode
5. Duty Cycle
6. Additional Equipment Info

**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

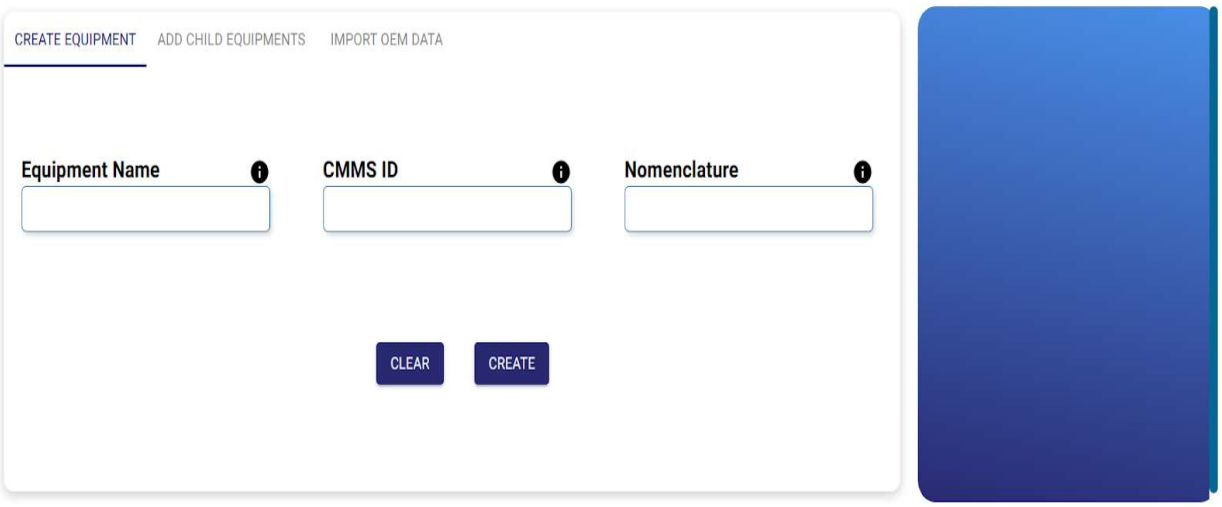



NOTE:-
All guidance will be based on the reference nomenclature GT1 (Gas Turbine as equipment).

## DATA-ENTRY SECTION

**Slider Stage 1:**Equipment Structuring

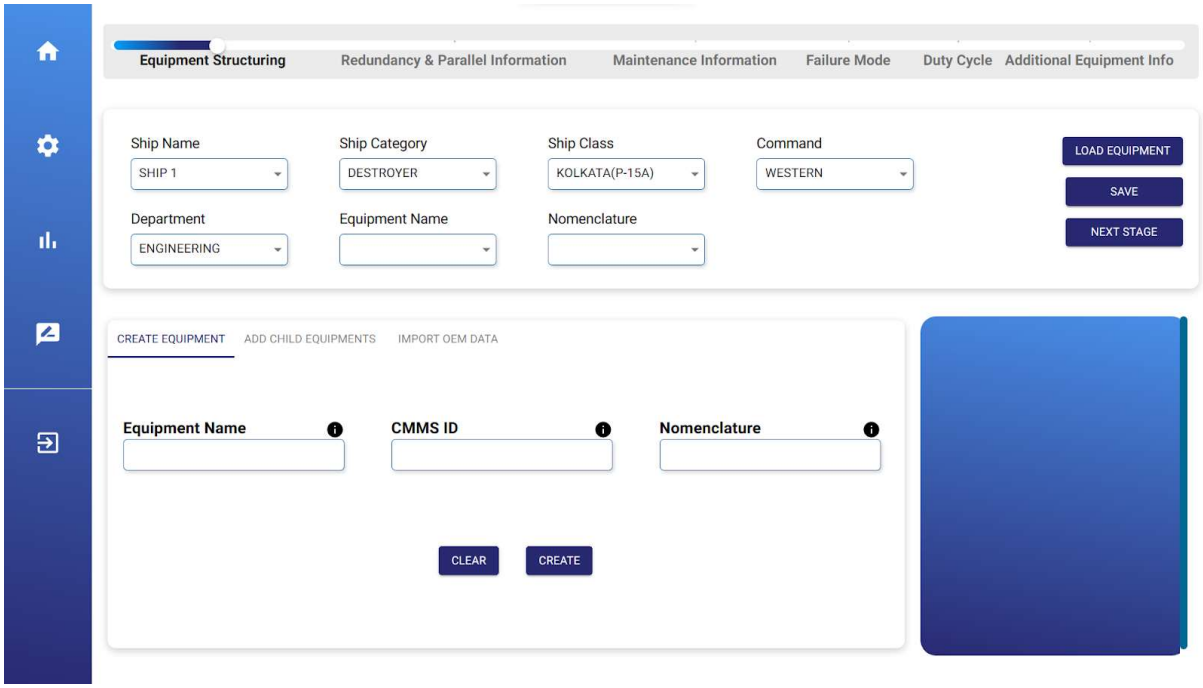
### Create Equipment




**Steps to create Equipment:**

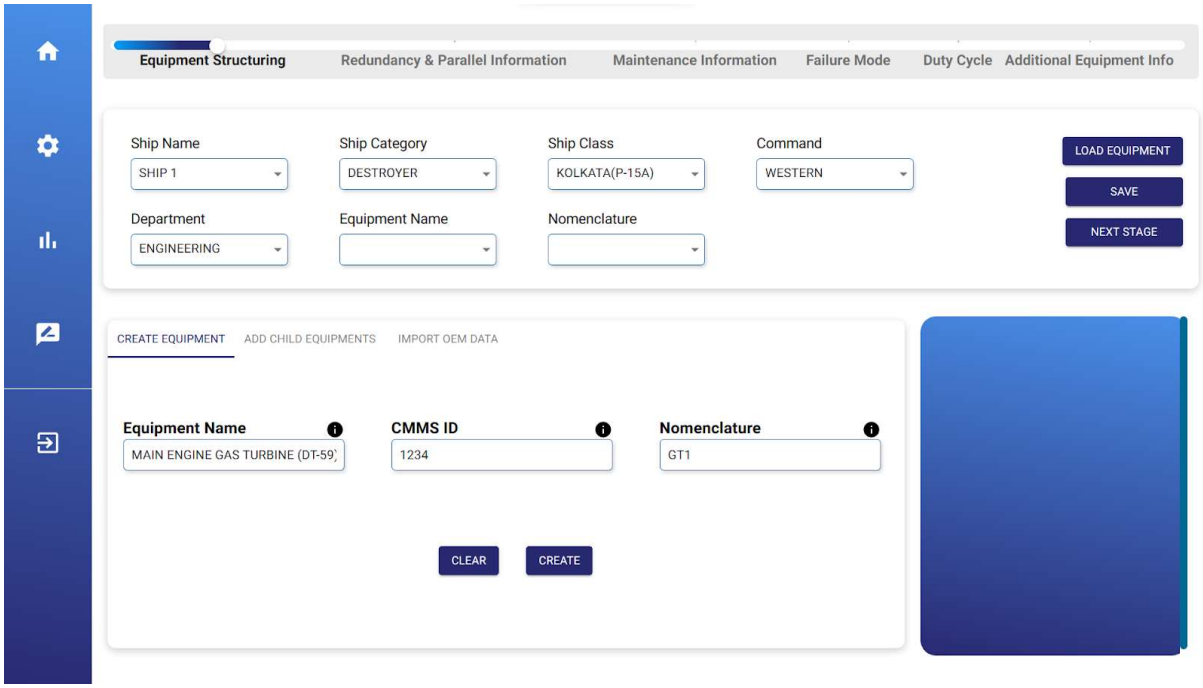
1. Navigate through the "User Selection" section until reaching "Command."


2. Next, choose the department to which the equipment will be assigned.

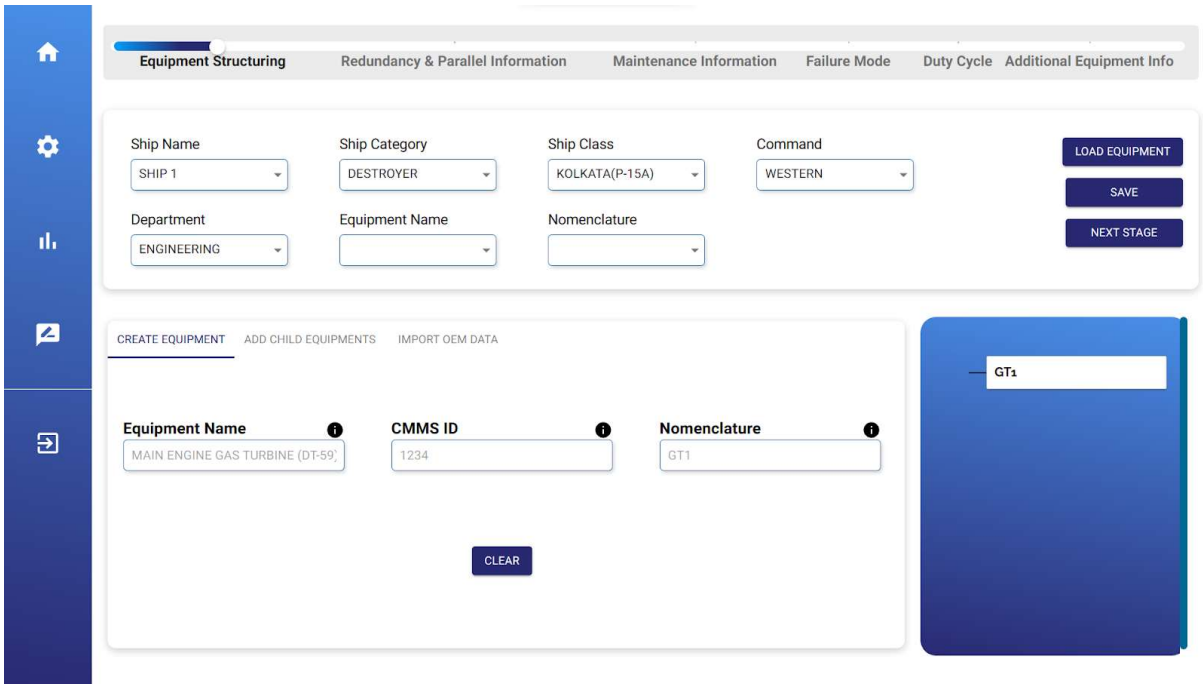



3. Write the official and standardized name (MAIN ENGINE GAS TURBINE (DT-59) ZORYA) in the Equipment Name field.
4. Input the CMMS ID for the equipment, ensuring it matches the EquipmentID in the CMMS.

5. Specify the nomenclature, which is the unofficial or non-standard name (GT1) that people in the organization commonly use to refer to the equipment.

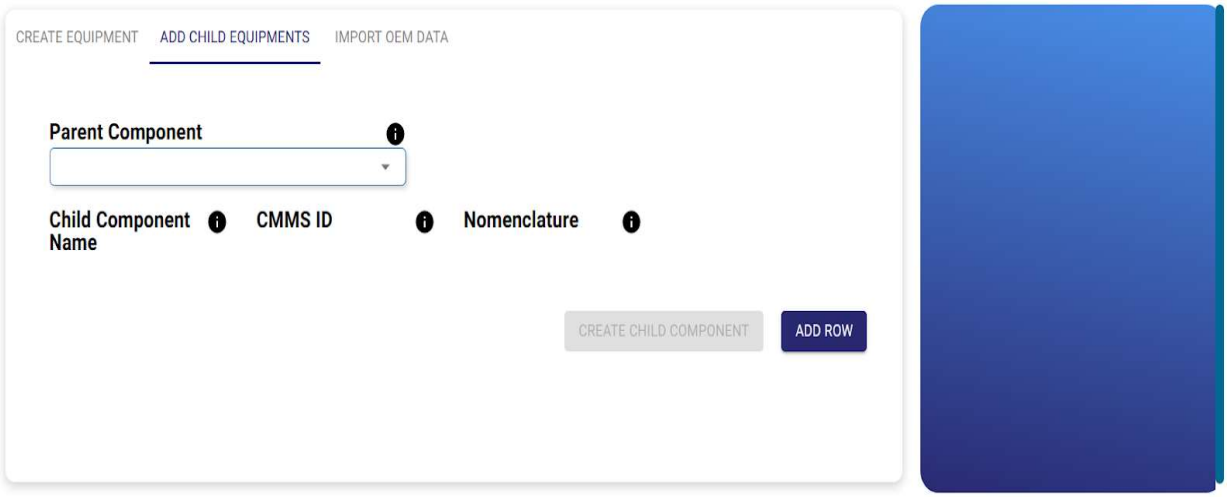



6. Afterward, proceed to click on 'create.' This action generates GT1, symbolized by a candlestick diagram featuring 'GT1' as its designated name.



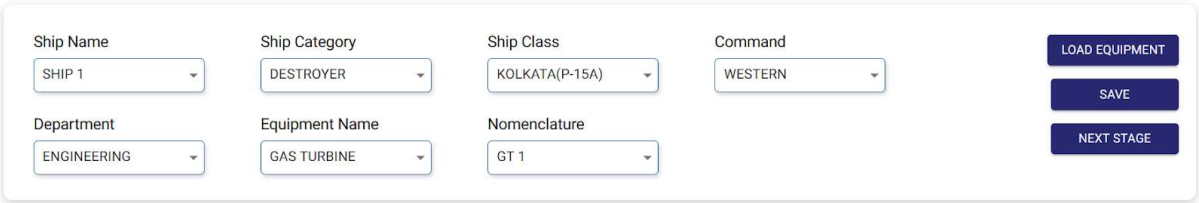

7. Once the candlestick becomes visible, click on 'save.' Congratulations, your equipment has been successfully created.

# ADD CHILD EQUIPMENT



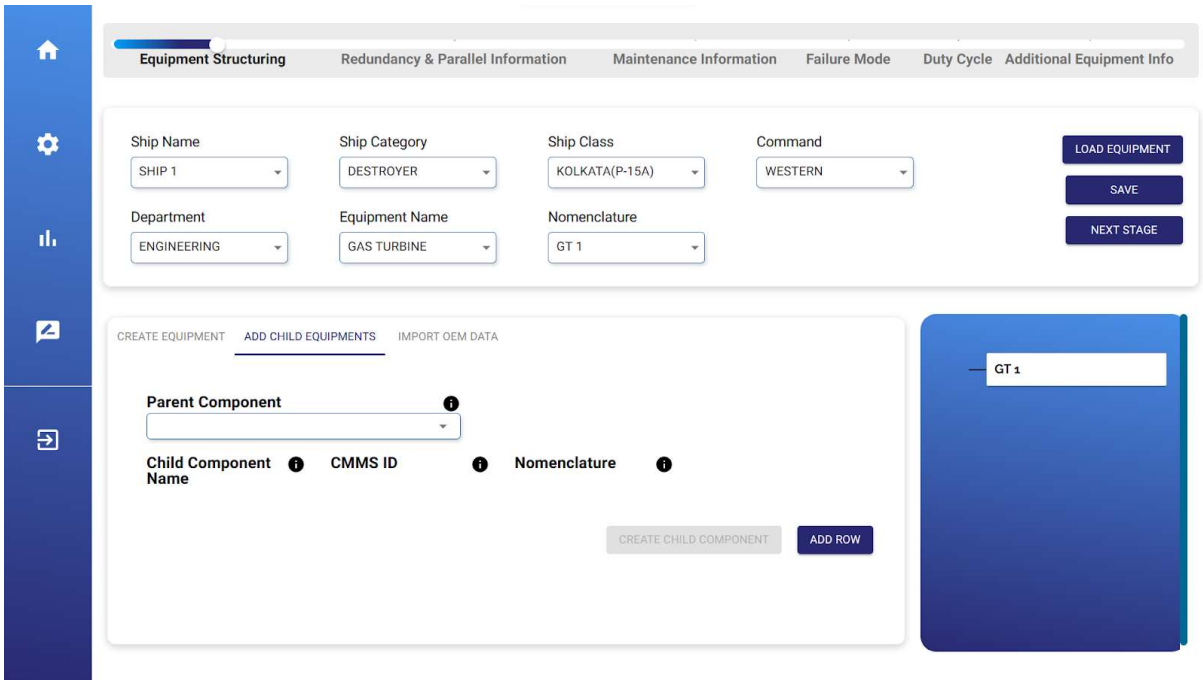

**Steps to create Child Component for the Desired Equipment:**

1. Navigate to the "User Selection" section until reaching "nomenclature" for the desired equipment.

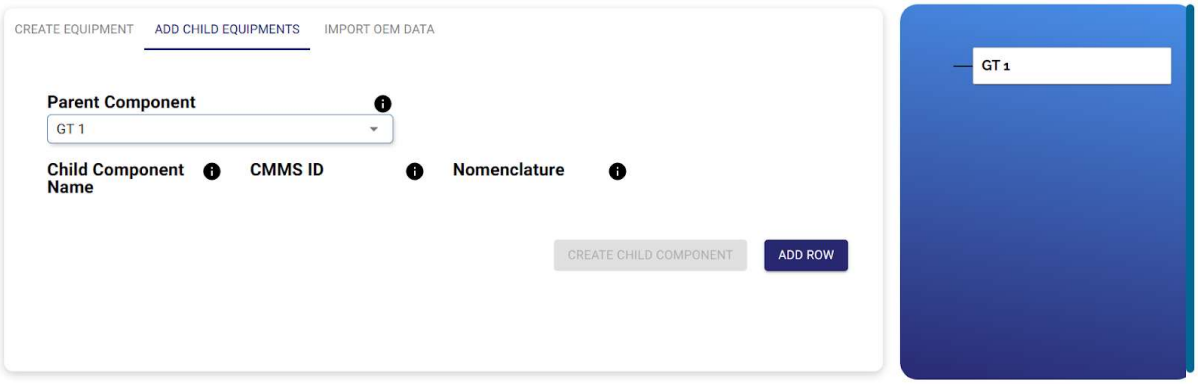



2. Click on "LOAD EQUIPMENT" to set the equipment for which the child needs to be created, identified by the candlestick diagram with the same

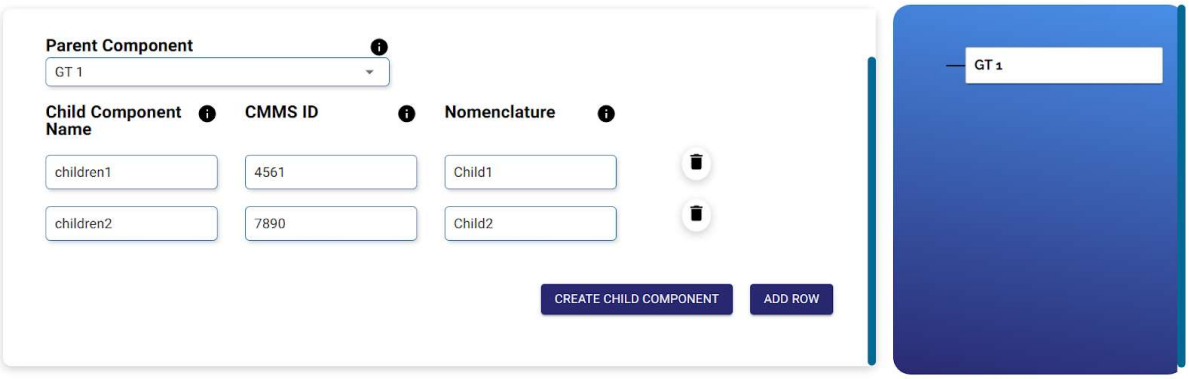
name.




3. In the Parent Selection field, choose the parent equipment from the dropdown.



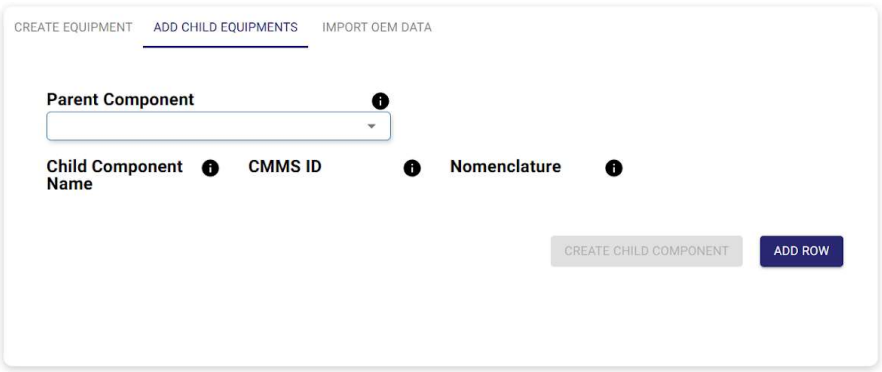

4. Click on "add row" to create a row for filling in the details of the child component.

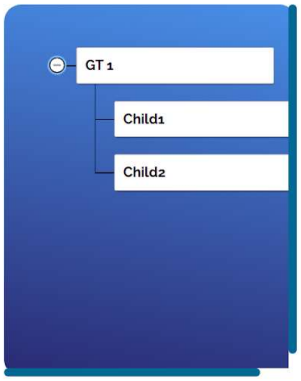



- Child Component Name: Enter the standardized name for the child component.

- CMMS ID: Input an ID similar to the EquipmentID from CMMS.
- Nomenclature: Specify a non-standard name for the child component.

5. Upon entering the details for the child component, click the "Create Child Component" button to initiate the creation of the child component under the parent, namely GT1. This will be indicated by the tree structure generated at the location of the candlestick diagram.

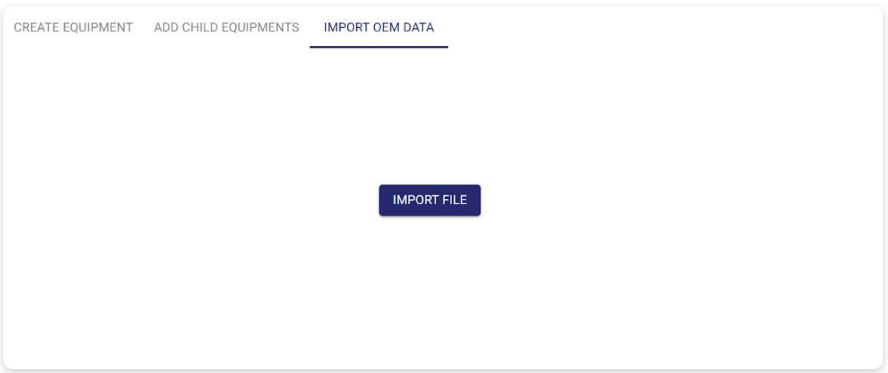


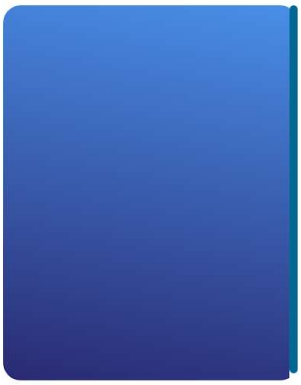




6. Now, click on the "save" button to store this configuration in the database.

.

## IMPORT OEM DATA

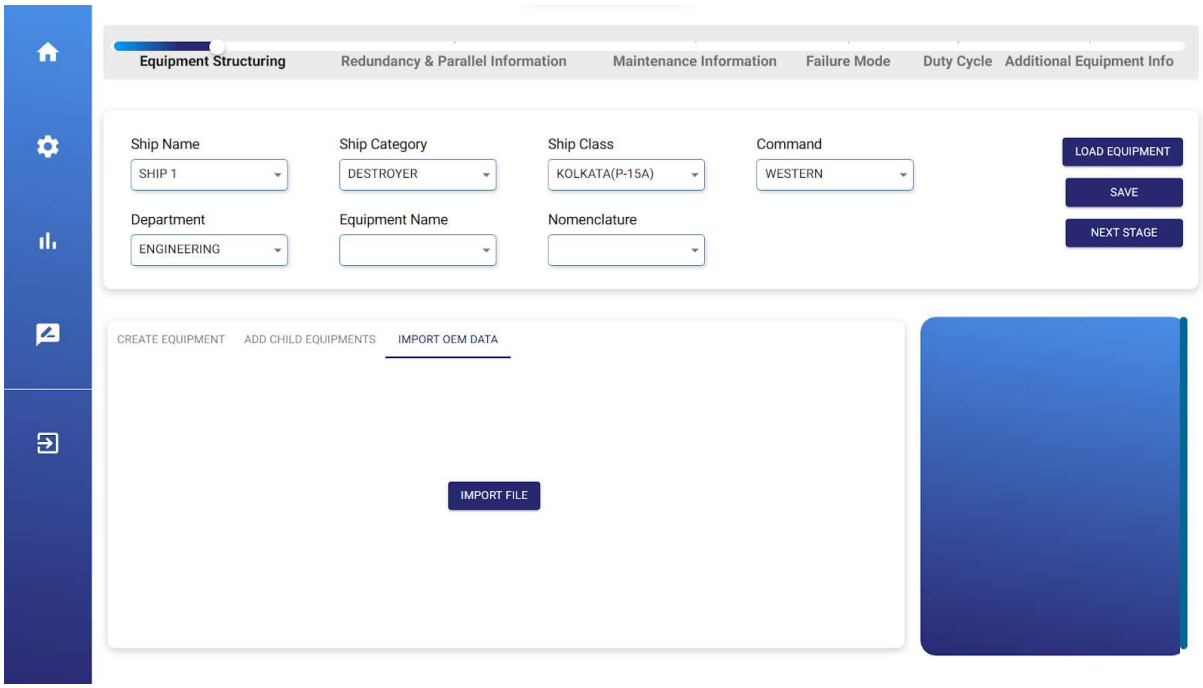


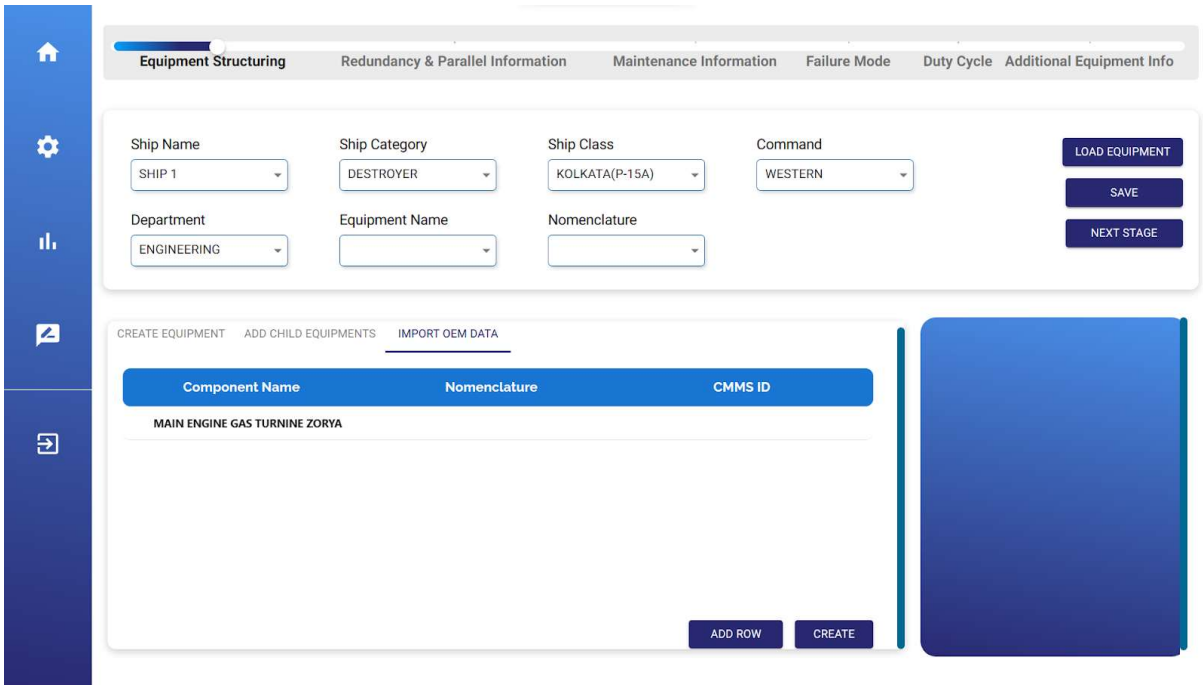
### STEPS TO IMPORT DATA FROM OEM:

1. Navigate through the "User Selection" section until reaching "Command."

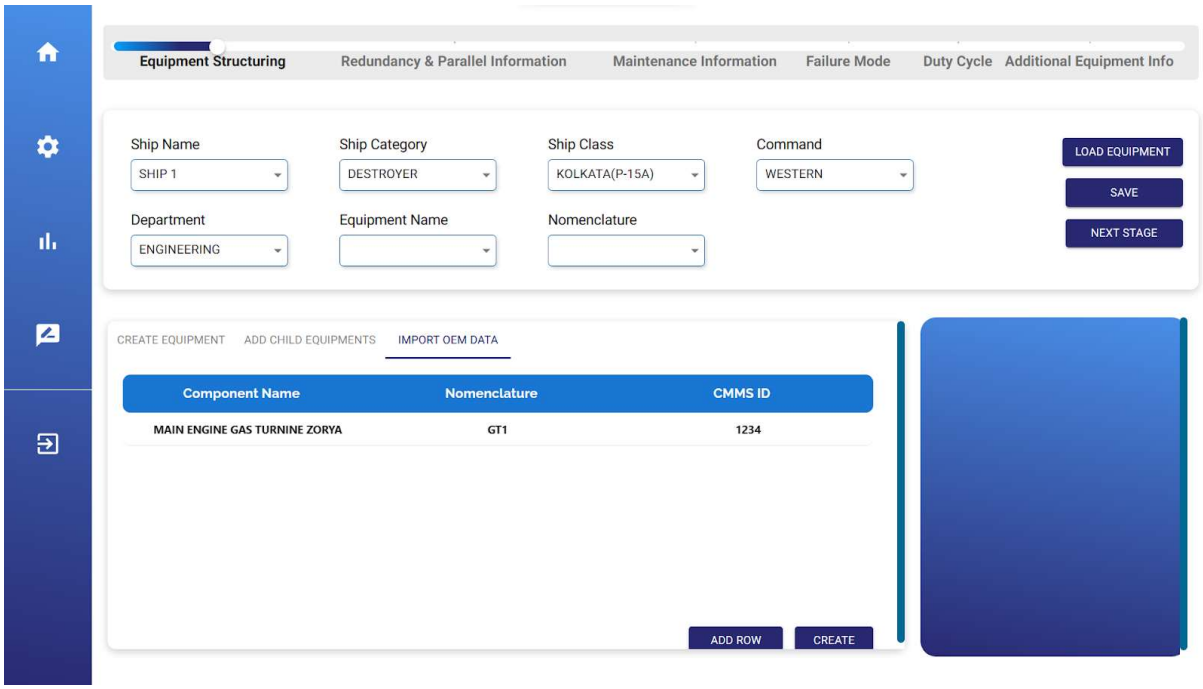
2. Choose the department to which the equipment will be assigned.



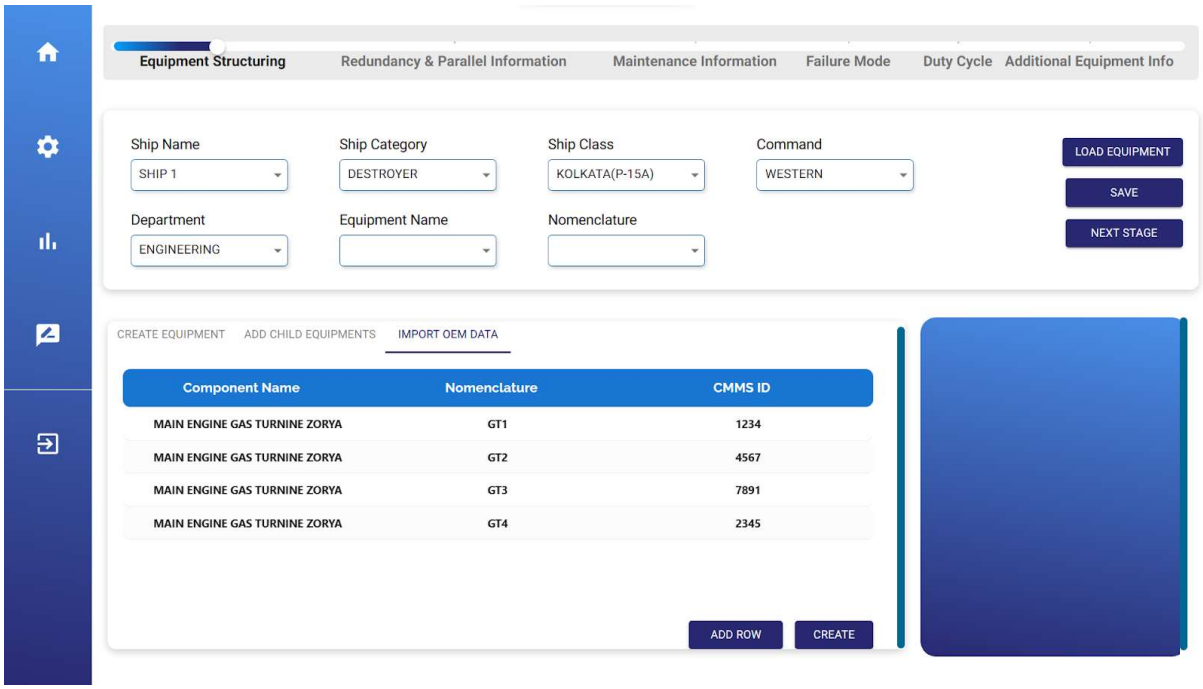

3. Upload the OEM CONFIGURATION CSV you received from the original equipment manufacturer.



4. If you're creating a single equipment, simply fill in the details, including the CMMS ID and nomenclature, then click "Create."




5. If you intend to create multiple equipment with the same configuration, click on "add row" to create as many as you need. Then, fill in the details for each, and finally, click "create" to generate the specified number of equipment units with the identical configuration.



## Slider Stage 2:Redundancy & Parallel Information


## Column in Redundancy & Parallel Information stage:-

1. Equipment name
2. Equipment Parent Name
3. Parallel Component
4. Redundancy Type
5. K

**Steps :-**

1. Fill in the details in the columns for "Equipment name," "Equipment Parent Name," "Parallel Component," "Redundancy Type," and "K."
2. Click on the "Save" button in the “User Selection Section” to save the entered details.

## Slider Stage 3:Maintenance Information

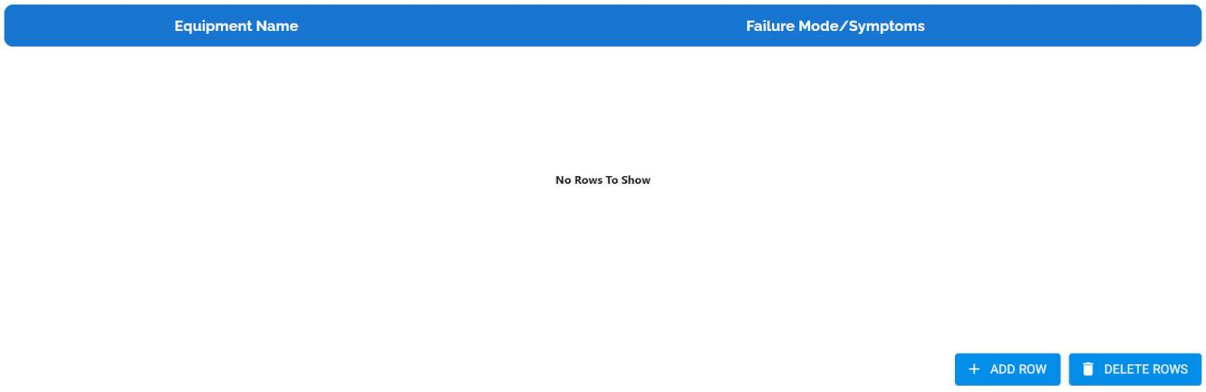

## Column in maintenance stage:-

1. Equipment name
2. Repair Type
3. Preventive Maintenance Applicable
4. Preventive Maintenance Interval (hrs)
5. Can be Replaced by Ship Staff
6. Is System Parameter's Recorded

**Steps:-**

1. Fill in the details in the columns for "Equipment name," "Repair Type," "Preventive Maintenance Applicable," "Preventive Maintenance Interval (hrs)," "Can be Replaced by Ship Staff," and "Is System Parameter's Recorded."
2. Click on the "Save" button in the “User Selection Section” to save the entered details.

## Slider Stage 4:Failure Mode




**Column in Failure Mode stage:-**

1. Equipment Name
2. Failure Mode/Symptoms

**Steps:-**

1. Fill in the details in the columns for "Equipment Name" and "Failure Mode/Symptoms."
2. Click on the "Save" button in the “User Selection Section” to save the entered details.

## Slider Stage 5:Duty Cycle


### Column in Duty Cycle stage:-

1. Equipment Name
2. Duty Cycle

### Steps:-

1. Fill in the details in the columns for "Equipment Name" and "Duty Cycle."
2. Click on the "Save" button in the “User Selection Section” to save the entered details.

## Slider Stage 6:Additional Equipment Info


### Column in Additional Equipment Info stage:-

1. Equipment Name

2. Installation Date
3. Default Avg. Monthly Utilization
4. Unit
5. Maintenance Data Availability

**Steps:-**

1. Fill in the details in the columns for "Equipment Name," "Installation Date," "Default Avg. Monthly Utilization," "Unit," and "Maintenance Data Availability."
2. Click on the "Save" button in the “User Selection Section” to save the entered details.