Weighing Motion System

Weighing User Guide

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2 Revision History

Version No	Date	Author	Change Log
1	09/03/2024	Gautham D	

3 Operator Controls

The following is the list of operations that the operator can do,

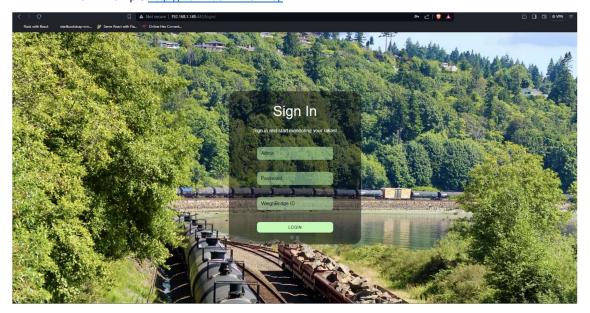
- Select and edit rakes for weighment.
- Initiate and terminate weighing operation.
- Generate reports and upload data to FOIS.
- Check the status of Track logic switches.

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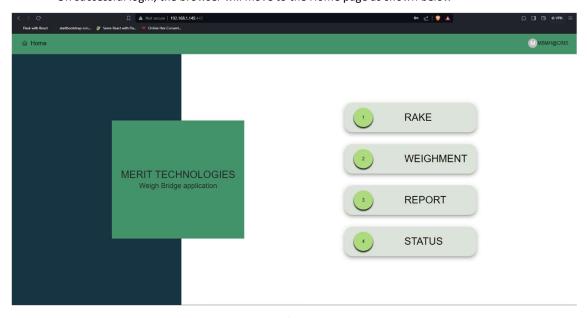
The operation needs to get the login credential details from the admin.

4.1 Login to the Dashboard

- Weighment page must be accessed by <a href="http://<IP">http://<IP ADDRESS>:443/
 - o Example http://192.168.1.145:443/



Enter the received credentials from the admin on their respective fields and select the WeighBridge ID from the list of available weighbridge IDs in the dropdown box. In case the weighbridge ID is not available in the dropdown box, contact your administrator to add the weighbridge ID to the database.
 On successful login, the browser will move to the Home page as shown below

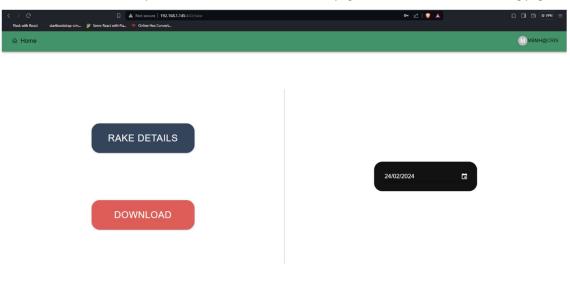


Username will be displayed in the top-right of the page.

4.2 Selecting and Editing the Rakes

4.2.1 Downloading rakes for weighment

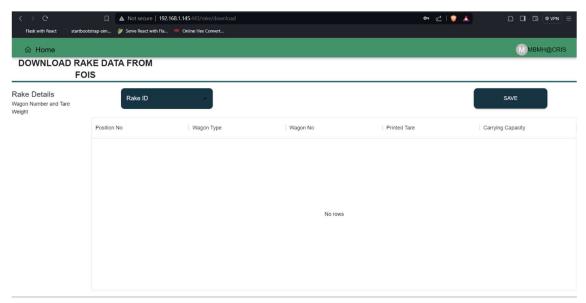
- Rakes need to be downloaded from the FOIS server for weighment.
- Click on the RAKE option which is available on the home page and it redirects to the following page



- Select the date from which the available rakes need to be downloaded and click on the Download button.
 - o Example 24/02/2024

4.2.2 Selecting Rakes for Weighment

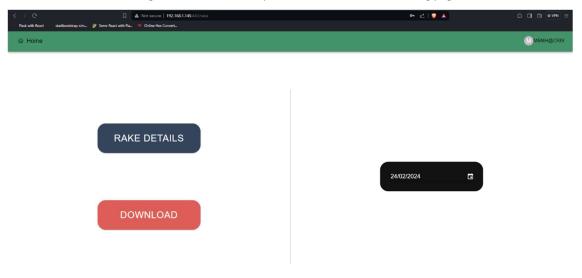
 When the rakes are downloaded from the FOIS server, the page redirects to the rake selection page as shown below



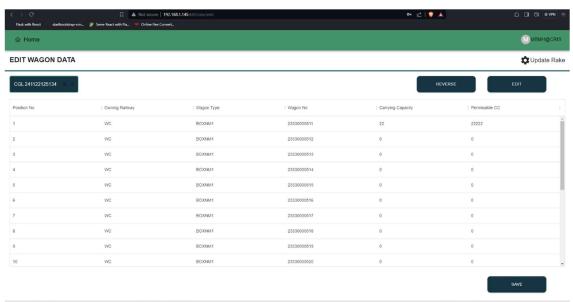
- The list of the downloaded rakes is updated in the Rake ID dropdown box. Select the rake from the available rake IDs for weighment and click the SAVE button.
- The selected rake ID will be updated in the database and click on the Home icon.

4.2.3 Editing the Wagon Data

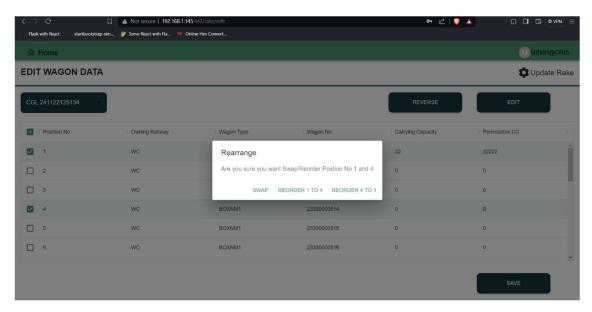
• From the Home Page, click on the RAKE option it redirects to the following page



- Click on the RAKE Details button to redirect to the Edit Rake page.
- The list of weighments finished Rake IDs which was not uploaded to the FOIS server as well as the Rake that is selected for weighment will be updated in the Dropdown box.
- Select the Rake ID for editing its wagon details as shown below



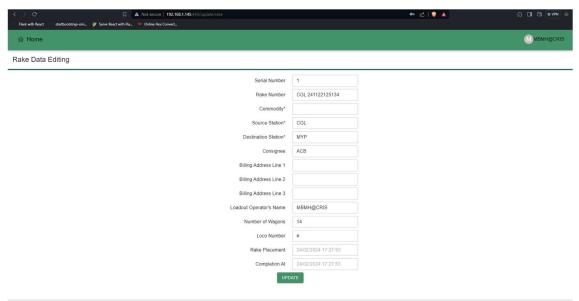
- Click on the REVERSE button for reversing the wagon arrangements.
- Click on the EDIT button and the click will enter the edit mode.
- Double-click on the table cell to edit the wagon details and hit the Enter button to update the table.
- After enabling the wagon edit mode, the table will enable a checkbox column for swapping and reordering.
- Click on the 2 different checkboxes and the dialog box that shows swap and reorder button will appear as shown below



- Example in the figure position no 1 & 4 is selected,
 - Click on the SWAP button in the shown dialog box to swap the 2 wagons.
 - Click on the REORDER 1 to 4 button, to change the 1st wagon position to 4th place and 2,3&4 wagons will move to 1,2&3 position respectively.
 - Click on the REORDER 4 to 1 button, to change the 4th wagon position to 1st place and 1,2&3 wagons will move to 2,3&4 position respectively.
- After editing the wagon details, the changes must be saved to the database using the SAVE button.

4.2.4 Rake Data Editing

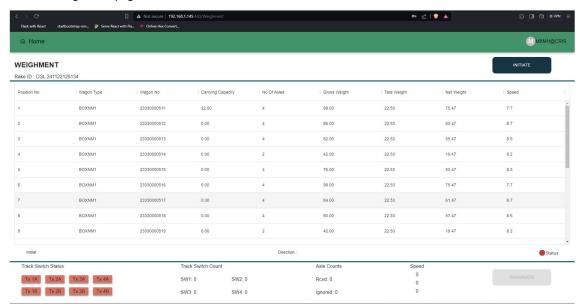
• Select the rake in the dropdown box and click on the Update Rake button in the Edit Wagon Data page and it directs to the Rake Data Editing page as shown below



- Update the rake details and click the Update button to store the updated values in the database.
- Click on the Home icon to move to the home page.

4.3 Weighment

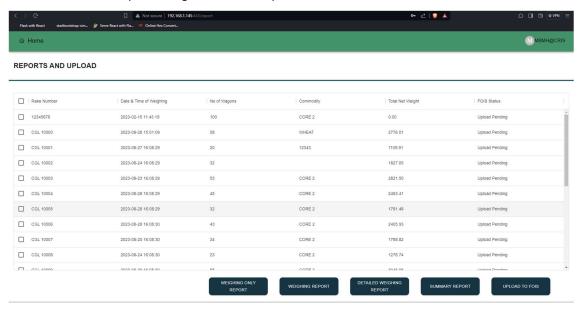
 After downloading and editing the rakes, click on the Weighment option and the page redirects to the weighment pages as shown below



- The selected rake's wagon details will be shown in the table.
- Click on the INITIATE button and enter the number of axles to be eliminated in the dialog box shown and click YES.
- When initiated successfully, the success notification will be shown in the top-right of the page.
- When the wagons are passing the track logic switches, the respective wagon weights will be updated
 in the table row.
- When all the wagons are weighed, the operator has to manually inspect the weighed result and on successful weighment, the weighment has to be terminated manually by the operator using the TERMINATE button.
- If there is any error in the weighment, the operator can reinitiate the weighment using the INITIATE button.

4.4 Report and Upload

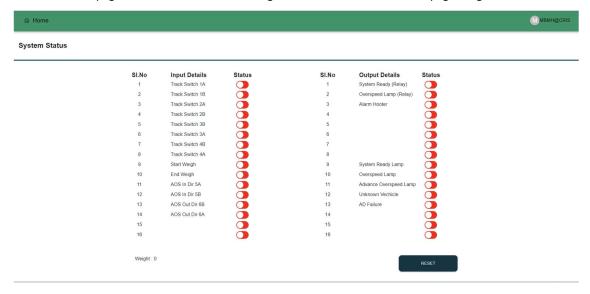
- When the weighment is terminated, the result of the weighment will be viewed on the Report Page.
- Click on the Report option from the Home Page and it redirects to the Report Page.
- The list of completed weighments will be updated in the table as shown below



Select the RakeID to view/upload the report.

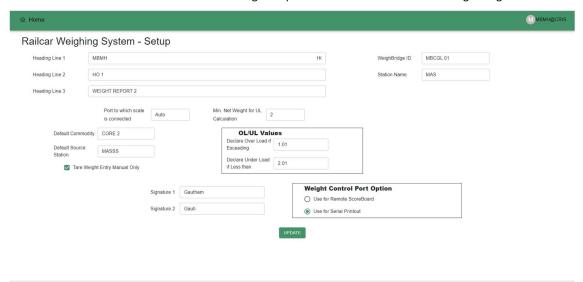
4.5 Status

The status page is used to monitor and debug the track switches. The Status page image are as follows



4.6 Default WeighBridge Settings

Click on the Account icon and select Settings to update the default values of the weighbridge station.



5 References