

Release Notes – Summary of Lab Admin

1. New Features/Functionality Added

- a) Lab Admin module
 - Allocation of Labs
 - Creating lab In-charge
 - Creating Lab Specification for Test
 - News Control Table
 - Equipment Status

2. Existing Features / Functionality Modified

- a) This is first time release.

3. Existing Features / Functionality Removed

- a) This is first time release.

4. Issues Resolved (Bugs if any)

- a) This is first time release.



Release Notes - Details

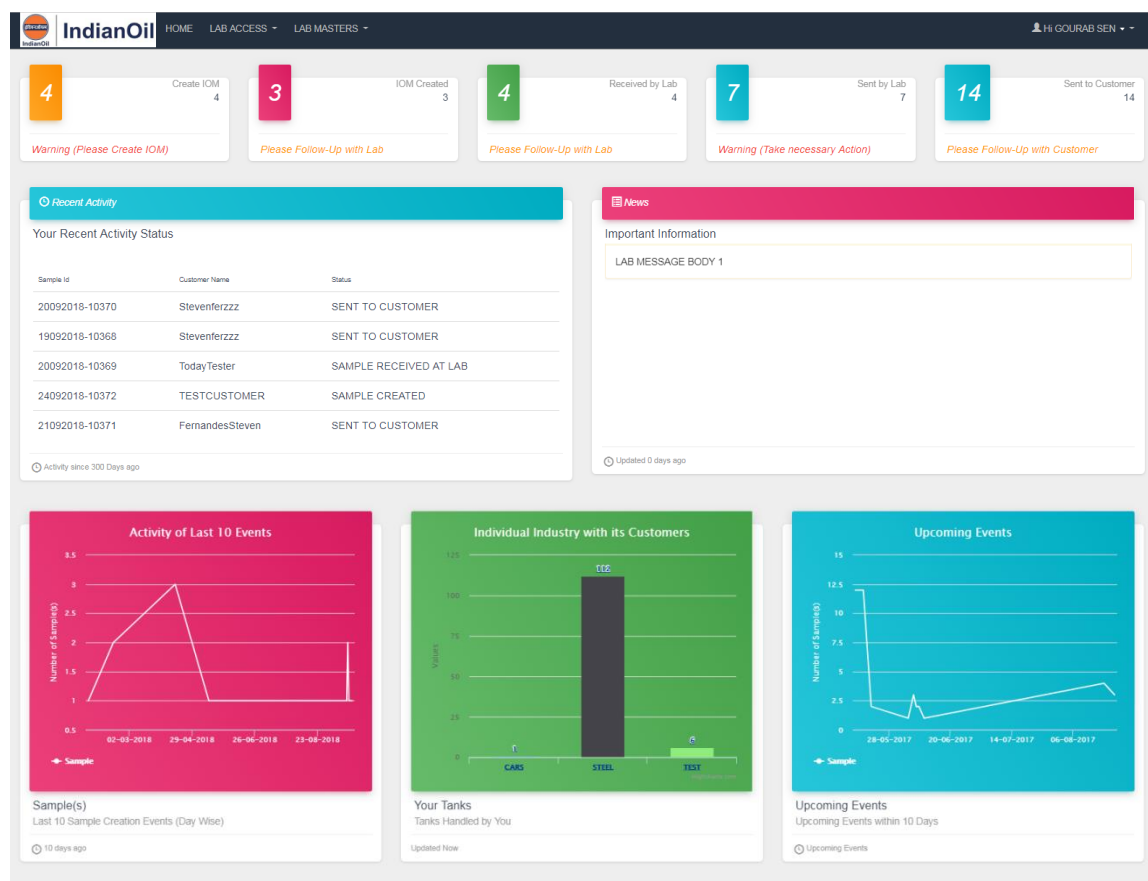
This software helps in condition monitoring program. There are two kinds of roles as of now—TSE and LAB.

Role TSE: Each customer will be mapped to a TSE. TSE will be getting notification alert mails. Once TSE logs into the system,

1.0 NEW FEATURES/FUNCTIONALITY ADDED

1.1 Dashboard

All four roles have Dashboard after logging in.



Here, the first row ¹, is cards with number of pending sample to be forwarded/check/approved/inbox depending on the selected

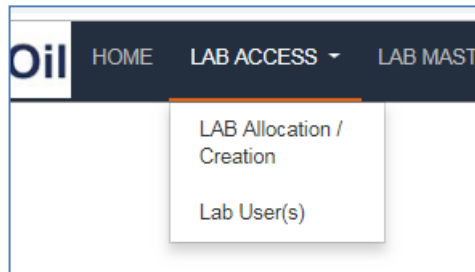
The second row ² contains two cards, the first one represent the recent activity done by the User. E.g. the samples received or sent lately. The second one represents the latest updates/new for the user.



The Final row ³ contains three cards with all graphs in it. Where First represents the samples holding by that user (by role), the second represents the number tank handled by him. And the last card represents the number of events i.e. next samples to be taken within the next 10 days.

1.2 Lab Admin Role:

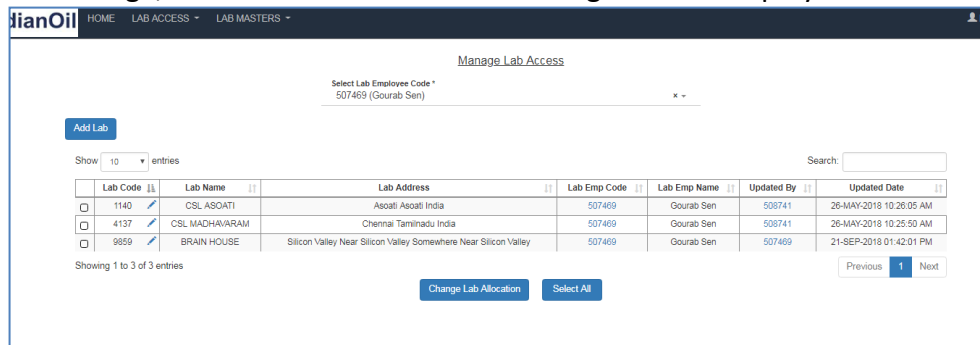
1. Lab Access



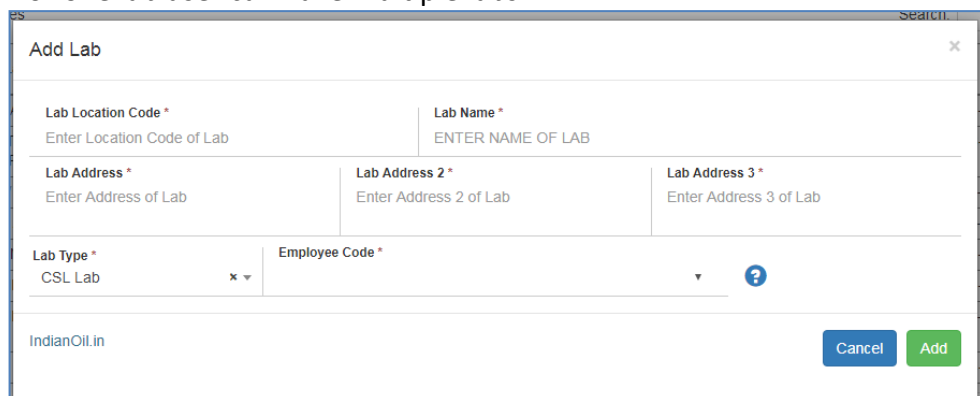
There are two categories a Lab admin has permission to:

1) Lab Allocation

In this Page, the Lab Admin is allowed to assign labs to employees.



On click **Add Lab** button, a modal appears where the admin can create a new lab as well as assign a employee to that lab. Here a only one employee(lab user) can can be assigned one lab. Nor one lab can have multiple lab users. Nor one lab user can have multiple labs.





After filling the lab details, select the Lab Type (CSL or RND). Lastly,search the employee the lab needs to be assigned to. If the employee cannot be found, click on the question mark to be redirected to the lab user page.

2) Lab User

In Lab User Page, the LAB-Admin has permission to add a new lab In-charge.

Emp Code	Emp Name	Emp Email Id	Updated By	Updated Date	Access	Remove User
505721	ABHISHEK KUMAR VERMA	ABHISHEK@INDIANOIL.IN	17982	26-MAY-2018 12:03:26 PM	TSE	
24202	Anil Nagvekar	anilnagvekar@indianoil.in	17982	26-MAY-2018 12:10:52 PM	TSE	
29857	Samrat Das	SAURATDAS@INDIANOIL.IN	SYSTEM	10-APR-2018 02:57:19 PM	TSE	
10758	Ajita Narendra Bhagat	AJITABHAGAT@INDIANOIL.IN	505741	26-MAY-2018 12:25:59 PM	LAB	
505741	Dinesh Parmar	parmar@INDIANOIL.IN	SYSTEM	10-APR-2018 02:57:19 PM	LAB	
17982	N RAJGOPALAN	nraajopalan@indianoil.in	SYSTEM	26-MAR-2018 10:32:31 AM	TSE-ADMIN	
507469	Gourab Sen	sen@indianoil.in	17982	26-MAR-2018 10:32:31 AM	LAB-ADMIN	

Here the admin can add a new user on clicking **Add User** and edit an existing user by clicking on **Change User Roles**. He also have the rights to create another lab admin.

On clicking the 505721 (Employee's Id) in the table, the page will be redirected to another page where the employee's detailed information is listed.

• Steps for adding new user.

1. Click on 'Add User' **Add User** button.
2. A modal will pop up.

3. After selecting Access type, it will filter the employees available in employee Code. Next select the employee you need to add to the database.
4. If in case, the requested employee isn't showing the user can use the search feature.



- To use the search feature Enter the employee code in 'Employee Code'.

The screenshot shows the 'Add User' form with the following fields and values:

Access Type *	LAB-ADMIN	Employee Code *	Enter Employee Number
Employee Name *	Enter Employee Name	508746	[Search Icon]
Ctrl Emp Code *	Ctrl Employee Name *	Ctrl Employee Email *	
Employee Code	Enter Controlling Employee Name	Enter Controlling Employee Email	

Buttons: Cancel, Add

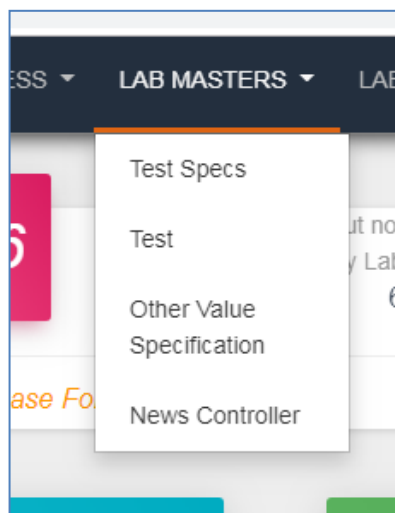
- After Entering the employee code, press enter the code will get selected and click on the search icon. If the employee code is valid then his/her details will be filtered in the below fields or else a 'Not found' pop up will appear.

The screenshot shows the 'Add User' form with the search results for employee code '508746' displayed in the fields:

Access Type *	LAB-ADMIN	Employee Code *	508744 (DINESH PARMAR)
Employee Name *	DINESH PARMAR	Employee Email *	PARMARDD@INDIANOIL.IN
Ctrl Emp Code *	Ctrl Employee Name *	Ctrl Employee Email *	
508744	Dinesh Parmar	VIKESHK@INDIANOIL.IN	

Buttons: Cancel, Add

2. Lab Masters



1. Test Specification (Test Specs)

In the header, go to **Lab Masters->Test Specs**

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TEST SPECIFICATION MASTERS

Filter:
Select Product *
(1) SERVO MESH SP 320 10

Search By Add Test Specification

Excel Column visibility

Product Name	Test Name	Value Check	MIN	MAX	EQUAL	DEVIATION	MAX (DELIMITER)	OTHER	Updated By
SERVO MESH SP 320 10	CSD	≥ 15	15	N/A	N/A	N/A	N/A	N/A	507469
SERVO MESH SP 320 10	ASCAC	$12 \leq x \leq 30$	12	30	N/A	N/A	30	N/A	508741
SERVO MESH SP 320 10	KV@40	$320 \leq x \leq 345$	320	345	N/A	N/A	345	N/A	508741
SERVO MESH SP 320 10	KV@100	$\approx 24.1 (10\%)$	N/A	N/A	24.1	10	N/A	N/A	SYSTEM
SERVO MESH SP 320 10	VISCOSITY INDEX	≥ 90	90	N/A	N/A	N/A	N/A	N/A	SYSTEM
SERVO MESH SP 320 10	FOAMING Test/Tend/Stab- Seq I	$\leq 0/1$	N/A	0/1	N/A	N/A	0/1	N/A	507469
SERVO MESH SP 320 10	FOAMING Test/Tend/Stab-Seq II	$\leq 0/0$	N/A	0/0	N/A	N/A	0/0	N/A	SYSTEM
SERVO MESH SP 320 10	FOAMING Test/Tend/Stab-Seq III	$\leq 0/0$	N/A	0/0	N/A	N/A	0/0	N/A	SYSTEM
SERVO MESH SP 320 10	DEMULSIBILITY	≤ 25	N/A	25	N/A	N/A	25	N/A	SYSTEM
SERVO MESH SP 320 10	FLASH POINT (COC)	≥ 232	232	N/A	N/A	N/A	N/A	N/A	SYSTEM

Showing 1 to 10 of 21 entries

Master Records of Test Created by the lab admin for using on the sample created. Here, the test specification has three mandatory columns.

Test Name – the name of the test applied for a particular product

Value Check – A Criteria set while testing a product (e.g. if value check is ≥ 123 then the test taken should be above or equal to of the range of 123). The third column is a group of columns that include (MIN, MAX, DEVIATION, EQUAL, DELIMITER, OTHER), if the value check id is $\approx 0.5(10\%)$ means it will filter the equals column(‘ \approx ’) and delimiter column(%). The other field is used for storing a value which is not mentions in the tests defined in the masters.



On clicking the [Add Test Specification](#) button, the admin can add a new specification against an existing product.

Here the admin has to select the product name and test name. And finally a check value depending on the value selected another dropdown will appear.

There are 6 specifications respectively. That is.,

Min – takes one input, a test case for checking a value is more than given input number.

Max - takes one input, a test case for checking a value is less than given input number.

MinMax – takes two numbers, a test case for checking if a value is between these two input numbers.

Novalidation – the test case where the test value doesn't matter.

Eqchk – the test case where the test result and input number should be the same.

OthVal – It makes the test case a list values which can assigned by redirecting to Other Values Specification Page. These values can differ as it is user defined.

Max with delimiter – it is a deviation that is the difference between the observed value and an estimate of the true value.



2. Test Parameter (Test)

The LAB-Admin is allowed to add test parameters

Test Name	Test Unit	Test Method	Sample Qty	Display Pos	Updated By	Updated Date	Update Test
KV@40	CST	ASTM D 445	50	1	507469	14-MAR-2019 02:56:59 PM	
KV@100	cst	ASTM D 445	50	9	SYSTEM	04-APR-2018 04:01:28 PM	
VISCOSITY INDEX		ASTM D 2270	0	8	17491	28-MAY-2019 03:00:06 PM	
FOAMING Test,Tend/Stab-Seq I	ml	ASTM D 892	200	3	SYSTEM	04-APR-2018 04:01:28 PM	
FOAMING Test,Tend/Stab-Seq II	ml	ASTM D 892	200	7	SYSTEM	04-APR-2018 04:01:28 PM	
FOAMING Test,Tend/Stab-Seq III	ml	ASTM D 892	0	10	SYSTEM	04-APR-2018 04:01:28 PM	
DEMULSIBILITY	min	ASTM D 1401	40	7	SYSTEM	04-APR-2018 04:01:28 PM	
FLASH POINT (COC)	Deg.c	ASTM D 92	100	5	SYSTEM	04-APR-2018 04:01:28 PM	
TAN	mg KOH/gm	ASTM D 664/974	25	4	SYSTEM	04-APR-2018 04:01:28 PM	
WEAR METAL	ppm		35	33	507469	27-MAR-2019 01:02:48 PM	

Click the 'Add Test' for adding new test:

Test Name *

ENTER TEST NAME

Test Unit *

ENTER UNIT

Method Name *

ENTER METHOD NAME

Required Qty of Sample *

Enter Quantity of sample

Display Position *

Enter position of sample

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Cancel Add

For updating any test parameters, click the 'pencil icon' in the Update Test Column.

For deleting any test parameters, click the 'recycle bin' icon in the Update Test Column.

Display Pos	Updated By	Updated Date	Update Test
1	507469	14-MAR-2019 02:56:59 PM	
9	SYSTEM	04-APR-2018 04:01:28 PM	
8	17491	28-MAY-2019 03:00:06 PM	



3. Other Value Specs

To add values for test parameter with Other Value Specifications.

Select Test(with Other Values):*
APPEARANCE

Other Values *

Summary

Show 10 entries Search:

Test Name	Other Values
APPEARANCE	Clear,Dull,Emulsified,Hazy
BLAH	pass,repeat,score,shoot
CSD	test1,test2,test3
JUST TO TEST YES	okay,okay2,okay3
TEST1251	test4,test5
TESTTODAY35	test123

Showing 1 to 6 of 6 entries Previous 1 Next

Select the test which needs adding Other values to. If the values are already mapped then it would appear in the next field (Other Values). New values can be added or delete the given of the selected test.

Click to get the summary of other values specification added.

4. News Controller

Here the admin is allowed to add news to display on the dashboard of every lab user.

News Table

Show 10 entries Search:

ID	Title	News	Created By	Updated Date	Action
8	Today's News	Doing good	508741	06-12-2018	<input type="button" value="edit"/> <input type="button" value="delete"/>
3	Today's News	testing in progresz	508741	06-12-2018	<input type="button" value="edit"/> <input type="button" value="delete"/>
4	Today's News	keep Updatedz	508741	06-12-2018	<input type="button" value="edit"/> <input type="button" value="delete"/>
12	Today's News	Chilly weather (11c)	507469	17-01-2019	<input type="button" value="edit"/> <input type="button" value="delete"/>

Previous 1 Next

Add News

Title

Body

Add in the dialog below the table. The dialog includes a title and body. The admin is allowed to edit or delete the news if needed.

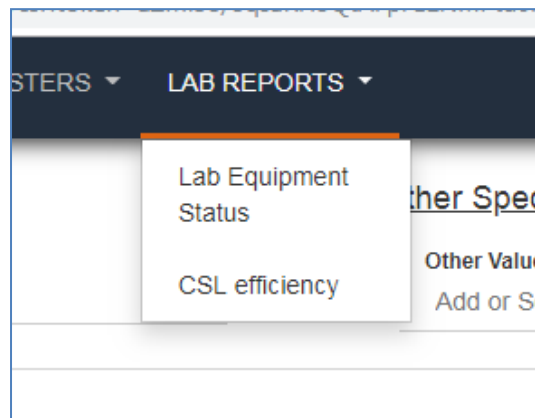


5. Equipment Status

Go to **Lab Masters-> Lab Equipment Status**

The report is for displaying all the equipments under the selected labs. The table displayed below contains the equipment name, its working condition and the remarks provided. Click on the 'Question' icon more details.

3. LAB REPORTS



1) Lab Equipments

In the Header, Go to **Reports-> Lab Equipment Status**

The report is for displaying all the equipments under the selected labs. The table displayed below contains the equipment name, its working condition and the remarks provided if the equipment is not working.



Select Lab: CSL MADHAVARAM Filter

Show 10 entries Search:

Equipment Name	Working status	Remark
AUTOTITRATOR (TAN)		Total Acid Number determination. Motherboard failure and irreparable as per OEM. Facilities available to carryout the test by Colour indicator method ASTM D 974
X-RAY FLUORESCENCE ANALYSER		Additive elements
FT IR		Spectral Analysis
FLASH POINT APPARATUS AUTO COC		Flash point
ELECTRONIC BALANCE I		-
ELECTRONIC BALANCE II		-
POUR POINT APPARATUS		Pour Point
FLASH POINT APPARATUS COC MANUAL		Flash point
FLASH POINT APPARATUS - PMCC		Flash point
EMULSION BATH I @54 DEG C		Demulsibility @ 54 Deg C

Showing 1 to 10 of 27 entries Previous 1 2 3 Next

The '?' icon in the second column is information about the green and red. Click it to view it.

2) CSL Efficiency Report

In the Header, go to **Reports-> CSL Efficiency Report**

The report shows the response time taken by individual lab In-charge while approving/processing/forwarding a sample.

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Enter From Date * 29-05-2019 Enter To Date * 29-05-2019 Generate

LAB wise Response Time
(05-29-2019 To 06-29-2019)

Excel Search:

CSL name	CSL Incharge	Samples received	Total Samples under testing	Total Samples under testing for > 10 days	Samples for which results reported	Samples tested within 2 days	Samples tested within 3 days	Samples tested within 5 days	Average Testing & Reporting time in days
BRAIN HOUSE	Nada	0	0	0	0	0	0	0	0
BRAIN HOUSE2	Nada	0	0	0	0	0	0	0	0
CSL ASGATI	Nada	0	0	0	0	0	0	0	0
CSL MADHAVARAM	Nada	1	0	0	0	0	0	0	0
NEW CLASS	Nada	0	0	0	0	0	0	0	0
RND ASGATI	Nada	0	0	0	0	0	0	0	0
RND BRAIN HOUSE	Nada	0	0	0	0	0	0	0	0
TESTING PURPOSE	Nada	0	0	0	0	0	0	0	0

Showing 1 to 8 of 8 entries Previous 1 Next

Extra Feature:

In every report, the TSE-Admin can click on the respected cell to view the total no. of XXX (e.g. samples, customers, etc.).



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Enter From Date * 06-06-2018 Enter To Date * 29-06-2019 Click to Search Generate

LAB wise Response Time
(06-06-2018 to 06-29-2019)

Excel Search

CSL name	CSL Incharge	Samples received	Total Samples under testing	Total Samples under testing for > 10 days	Samples for which results reported	Samples tested within 2 days	Samples tested within 3 days	Samples tested within 5 days	Average Testing & Reporting time in days
BRAIN HOUSE	Nada	2	0	0	1	0	0	0	2.86
BRAIN HOUSE2	Nada	0	0	0	0	0	0	0	0
CSL ASOATI	Nada	0	0	0	0	0	0	0	9
CSL MADHAVARAM	Nada	3	0	0	1	0	0	0	0
NEW CLASS	Nada	1	1	1	0	4	4	4	0
RND ASOATI	Nada	0	0	0	0	0	0	0	0
RND BRAIN HOUSE	Nada	0	1	1	1	0	0	0	0
TESTING PURPOSE	Nada	0	0	0	0	0	0	0	0

Showing 1 to 8 of 8 entries

Click on the blue tile to expand a table with info

Enter From Date * Enter To Date * Click to Search Generate

Records

Sample ID	Sample Drawn Date	Sample Remark	Sample Priority
28112018-10410	2018-11-28 00:00:00.0	ok	2
01012019-10436	2019-01-01 00:00:00.0	SAmple test	2
03122018-10412	2018-12-03 00:00:00.0	OKAY	2
17052019-10512	2019-05-17 00:00:00.0	Nada	2
05042019-10475	2019-04-05 00:00:00.0	ok	2

2.0 Existing Features/Functionalities Modified

This is the first release.

3.0 Existing Features/Functionalities Removed

This is the first release.

6.0 Issues Resolved(Bugs If any)

This is the first release.