

Laboratory Information Management System (LIMS)

Laboratory Information Management System(LIMS) is a software-based solution with features that supports modern laboratory operations. The main purpose of a LIMS is to improve lab efficiency, quality control, and accuracy by reducing manual operations.

The Department of Food Technology and Quality Control (DFTQC) is the apex agency mandated by the Government of Nepal to ensure and enhance the quality and safety of food and feed products in the country. DFTQC is planning to implement LIMS to speed up its operations, storage management, sample tracking, and more. Here is the guide for users of LIMS for DFTQC. The website of LIMS for DFTQC is www.lims.dftqc.gov.np. The home page will appear as follows:

The screenshot shows the home page of the Laboratory Information Management System (LIMS) for the Department of Food Technology and Quality Control (DFTQC) of the Government of Nepal. The page features a header with the government's emblem, the ministry's name, and the system title. A navigation bar includes links for Home, Commodity List, DFTQC Website, Complain, Feedback, and Manual. The main content area is divided into two sections. On the left, there is a 'Login to your Account' section with fields for Email/Username and Password, a Login button, and links for 'Forgot Password?' and 'Don't have an account?'. On the right, there is a 'Web-enabled Laboratory Information Management System for Laboratory at Department of Food Technology and Quality Control.' section with descriptive text about the system's purpose and functionality. The footer contains copyright information for Kantipur Infotech.

Government of Nepal
Ministry of Agriculture and Livestock Development
Department of Food Technology and Quality Control
Laboratory Information Management System

Home Commodity List DFTQC Website Complain Feedback Manual

Login to your Account
Please put your login credentials below.

Email/Username (इमेल ठेगाना)*
Enter your Email

Password (पासवर्ड)*
Enter your Password

Login

[Forgot Password?](#)

Don't have an account?
[Register](#)

Web-enabled Laboratory Information Management System for Laboratory at Department of Food Technology and Quality Control.

As mandated by the Government of Nepal, Department of Food Technology and Quality Control (DFTQC) is the apex agency to ensure and enhance quality and safety of food and feed products in the country.

This includes functioning of food and feed safety and quality control, food and feed laboratories, food technology development and nutrition, as well as SPS enquiry point and INFOSAN Emergency Contact Point. It is the custodian of Food Act and Regulations as well as Feed Act and Regulations.

DFTQC has been rendering its services through a network of offices with laboratories in the country where food and feed products are inspected, sampled and tested. The mode of tracing tests samples through the laboratory, dissemination and storing of test results so far have been manual.

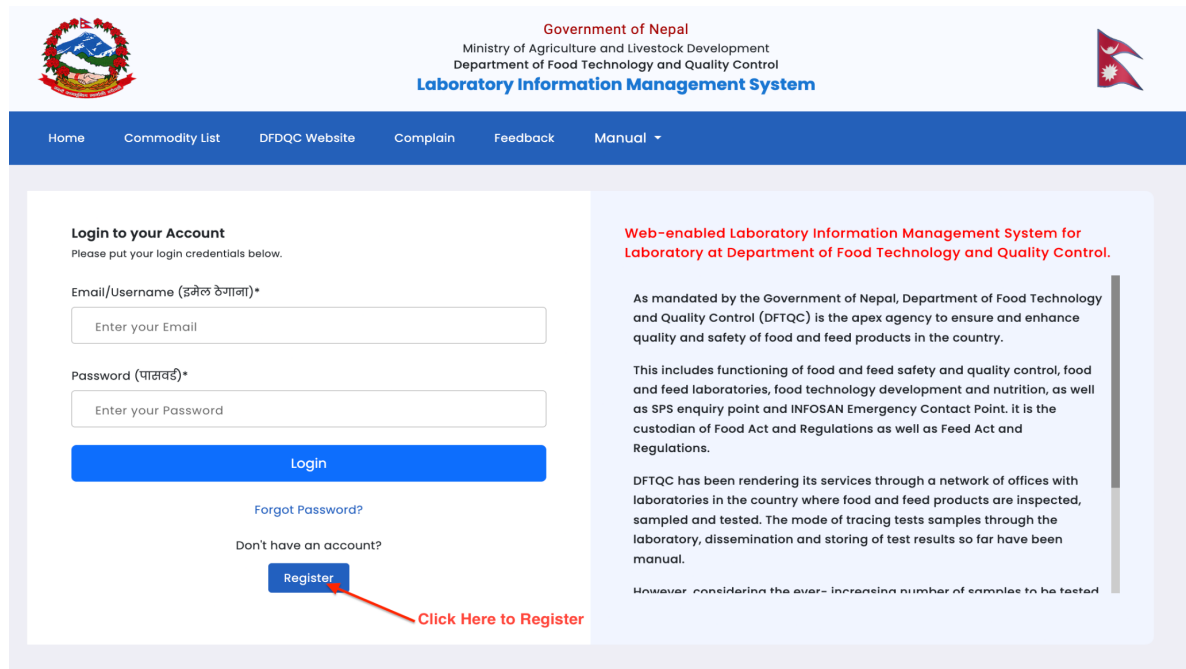
However, considering the ever-increasing number of samples to be tested

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1. User Registration and login

1.1. User Registration

1. Go to the home page and click on the [Register](#) button.



The screenshot shows the LIMS (Laboratory Information Management System) login and registration interface. At the top, there is a header with the Government of Nepal logo, the Ministry of Agriculture and Livestock Development, and the Department of Food Technology and Quality Control. Below the header is a navigation bar with links: Home, Commodity List, DFDQC Website, Complain, Feedback, and Manual. The main content area is divided into two sections. On the left, there is a 'Login to your Account' section with a form for Email/Username (labeled 'इमेल ठेगाना') and Password (labeled 'पासवर्ड'). Below the form is a 'Login' button. There are also links for 'Forgot Password?' and 'Don't have an account?'. A red arrow points to the 'Register' button, which is labeled 'Click Here to Register'. On the right, there is a section titled 'Web-enabled Laboratory Information Management System for Laboratory at Department of Food Technology and Quality Control.' with a description of the system's purpose and a list of services provided by DFTQC.

Government of Nepal
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However, considering the ever-increasing number of samples to be tested

2. Fill up the form with your credentials and required documents as shown below. (*) fields are mandatory fields. Choose your client category (industry, import, export, government agency, etc.), then fill in the necessary information and upload the required documents.

Register New Account

Please fill in the form below to register.

First Name*	Last Name*
<input type="text" value="Sheetal"/>	<input type="text" value="Sharma"/>
Email Address (इ-मेल ठेगाना)*	Username*
<input type="text" value="sheetal369s@gmail.com"/>	<input type="text" value="sheetal"/>
Password*	Phone Number (फोन नम्बर)*
<input type="password" value="....."/>	<input type="text" value="9867567762"/>
Client Category (ग्राहक वर्ग)*	
<input type="text" value="Industry"/>	

Industry Name *

Industry Address *

Registration No. *

Registration Document*

Choose File

Screenshot 2023-07-01 at 14.19.22

AP Renew Document*

Choose File

Screenshot 2023-07-01 at 14.19.22

Submit

[Back to Login](#)

3. After form submission, you will receive a success message. Your account is sent for verification to the sample management unit(SMU). And you can proceed to log in.

1.2. User Login

- Once you register your account, you can now log in with your username, email, or phone number and password.

Login to your Account
Please put your login credentials below.

Email/Username (ईमेल ठेगाना)*
sheetal369

Password (पासवर्ड)*

Login

[Forgot Password?](#)

Don't have an account?
[Register](#)

Web-enabled Laboratory Information Management System for Laboratory at Department of Food Technology and Quality Control.

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- After successful login, you will see the user dashboard. The message “Hello Sheetal! Your account is not verified yet.” indicates that SMU has not verified your account yet.

Laboratory Information Management System-LIMS

Sheetal USER

DASHBOARD

Hello Sheetal! You account is not verified yet.

Progress Chart

Total Request
0

Completed
0

Pending
0

Processing
0

Rejected
0

● Completed ● Pending ● Processing ● Recheck

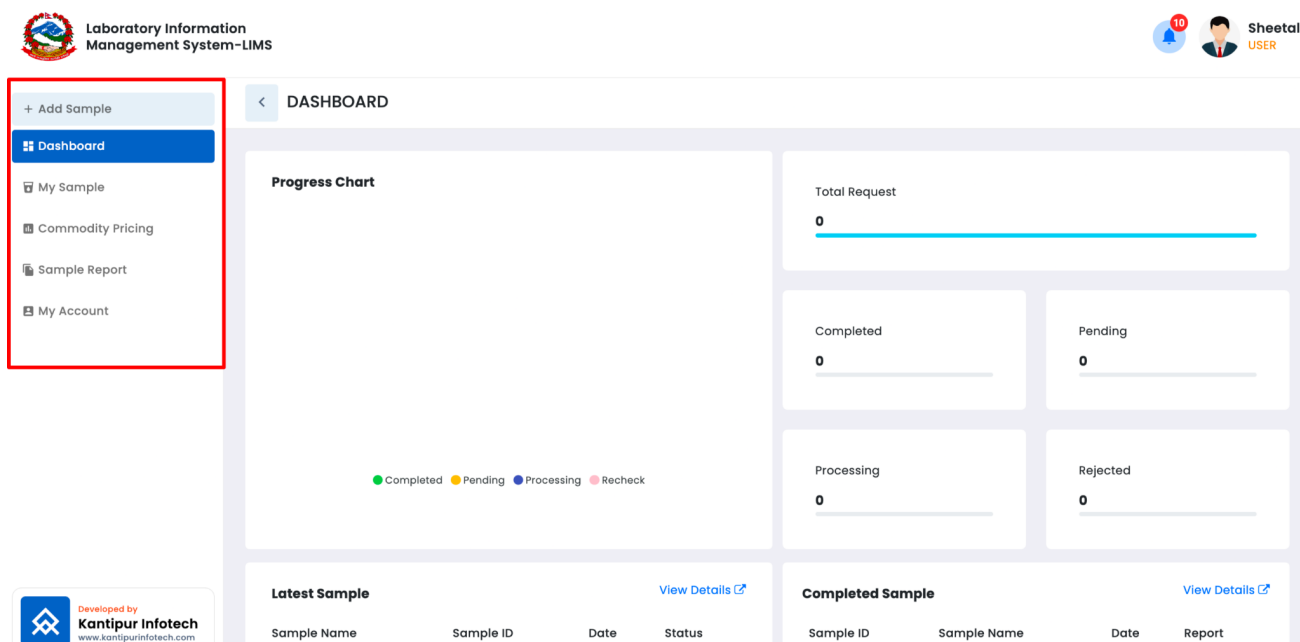
Latest Sample [View Details](#)

Sample Name	Sample ID	Date	Status

Completed Sample [View Details](#)

Sample ID	Sample Name	Date	Report

3. Your account needs to be verified to add samples. Once your account is verified, you will be notified via email. You can see the add sample and other sample-related buttons on the top left side of your screen.

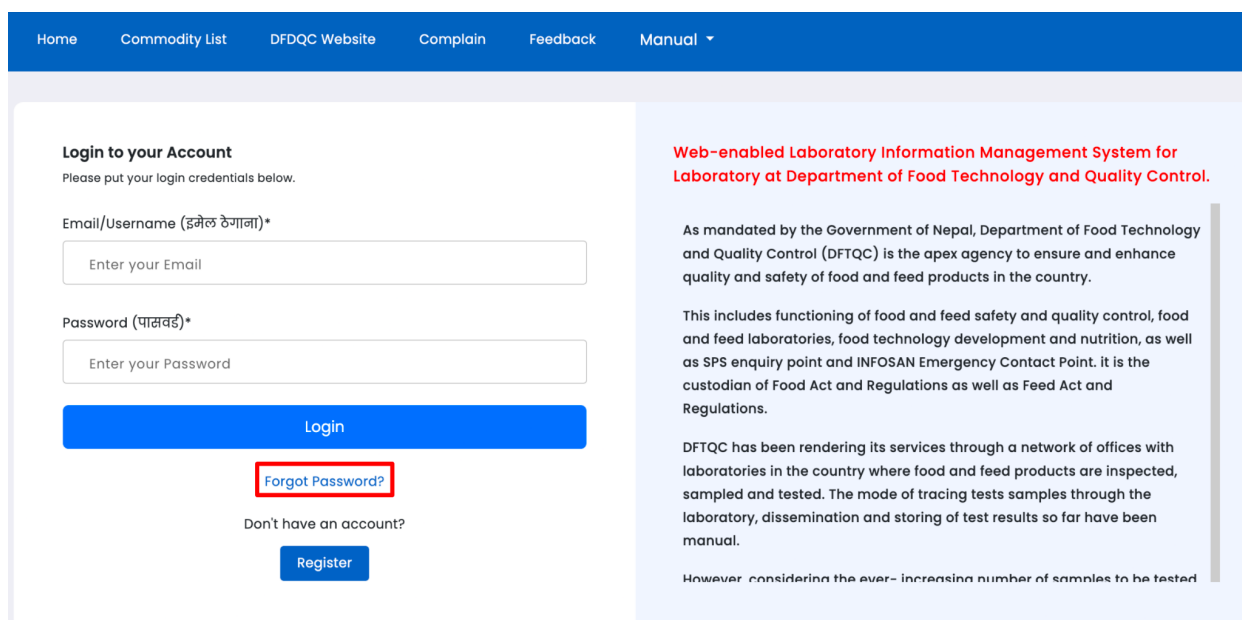


4. To view your account information, click on your profile picture in the top right corner of the screen and select “My Account”.

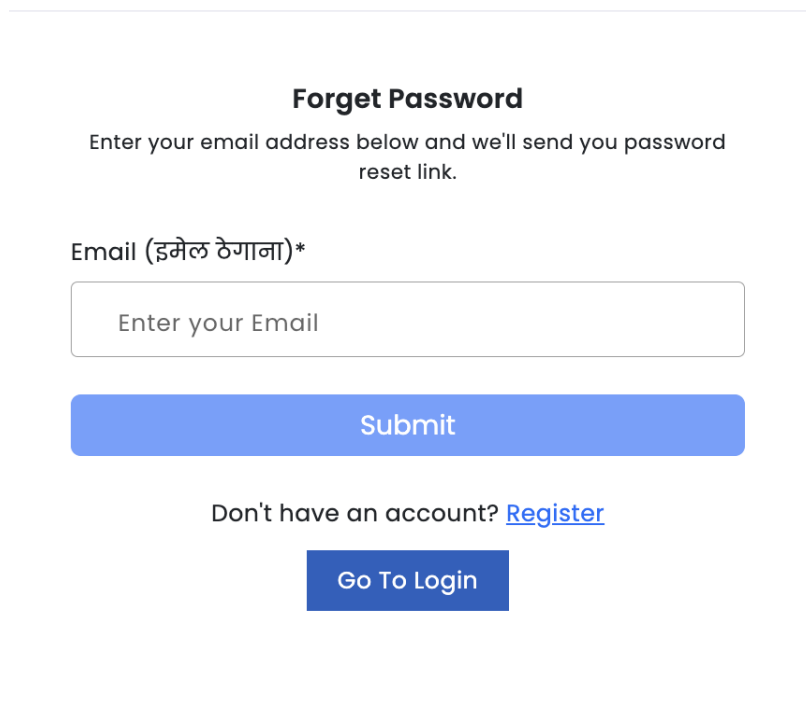
1.3. Forget Password

In case you forget your password, you can reset your password.

1. Click on ‘Forget password’ on the homepage:



2. Fill up your email and click on the submit button.



Forget Password

Enter your email address below and we'll send you password reset link.

Email (इमेल ठेगाना)*

Submit

Don't have an account? [Register](#)

Go To Login

3. A link to reset your password will be sent to your email address. You can then reset your password by clicking on the link.

1.4. Logout User

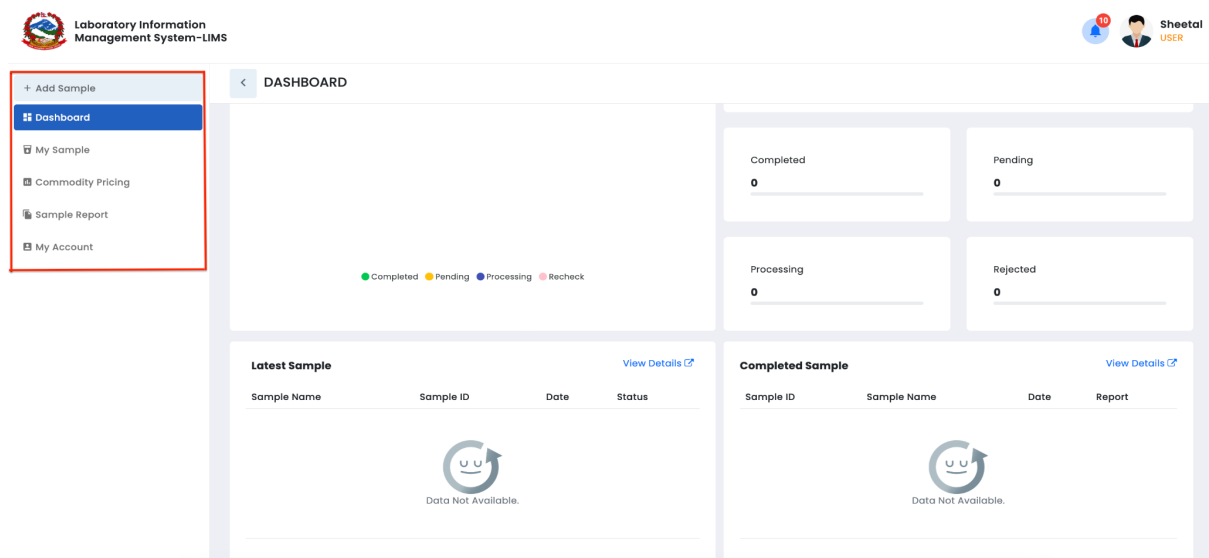
To log out of your account, click on your profile picture in the top right corner of the screen and select “Logout”.

2. User Dashboard

On your dashboard, you can view information about your samples. You can add samples, view sample details, view commodity pricing, and view sample reports by clicking on each link.

2.1. Add sample

1. Click on the “Add sample” button on the left side of your screen.



2. Fill up the sample request form. You can request a report of your sample in either English or Nepali language. Further, select the parameters you want to test in the form.

< ADD SAMPLE

Please enter your sample details

Name of Sample (नमूनाको नाम)*	Condition of sample while received (नमूना प्राप्त गर्दाको अवस्था)*
<input type="text" value="Dairy Ghee"/>	<input type="text" value="Good"/>
Date of Manufactured (उत्पादन मिति)*	Best before date (उपभोग्य मिति)*
<input type="text" value="6/15/2023"/>	<input type="text" value="7/31/2023"/>
Batch/Lot No. (ब्याच/ लट नं)*	Brand (ब्राण्ड)*
<input type="text" value="10"/>	<input type="text" value="DDC"/>
Purpose of Analysis (प्रयोगशाला विश्लेषणको उद्देश्य)*	
<input type="text" value="Requested"/>	

Purpose of Analysis (प्रयोगशाला विश्लेषणको उद्देश्य)*

Requested

Sample Type*

Liquid

Sample Quantity

500

Sample Per*

2

Units *

ml

Report Required by Date (विश्लेषण प्रतिवेदन प्राप्त हुने अनुमानित मिति)*

7/20/2023

Amendments to Report (if any) (प्रतिवेदनमा संशोधन गर्नुपर्ने भएमा)

Nothing

Note (if any) (अन्य केही भएमा)

Enter..

Commodity for Analysis (विश्लेषण गर्नुपर्ने वस्तु)*

Ghee

Reporting Language (विश्लेषण प्रतिवेदनको भाषा)*

☐ नेपाली
☒ English

Reporting Language (विश्लेषण प्रतिवेदनको भाषा)*

☐ नेपाली
☒ English

Price of Commodity: Rs.800

☒ Select Parameters

	No.	Name	Price
<input checked="" type="checkbox"/>	1	Refractive index	150
<input type="checkbox"/>	2	Reichert Meissl values	200
<input checked="" type="checkbox"/>	3	Acid Value	100
<input checked="" type="checkbox"/>	4	Peroxide value	150
<input type="checkbox"/>	5	Moisture	100

Total: Rs.400

Submit

- To send your sample to SMU, click the "Submit" button.

2.2. View Sample

- Click on "My sample" on the left side of your screen. You can also search and filter your samples by filling in the search fields at the top.

2. If SMU has not processed your sample, it is pending and you can view and modify your sample details by clicking on the relevant icon. If SMU has processed your sample, it is in a processing state and you can only view it.

<

MY SAMPLE

Search

From

To

Filter

Reset

S.N.	Sample ID	Sample Name	Commodity	Submission Date	Status	Action
1	BOvXv4	M5I	Rapeseed oil	Jul 1, 2023	Pending	<div><div></div><div></div></div>
2	qIdVgj	Good Day	Ghee	Jun 29, 2023	Processing	<div><div></div></div>
3	QJLy6O	Dashboard Sample	Imported Rapeseed oil	Jun 29, 2023	Processing	<div><div></div></div>
4	YjQ9vj	Test	Ghee	Jun 29, 2023	Processing	<div><div></div></div>

Items per page: 10

1 - 4 of 4

<

>

2.3. Sample Report

1. Click on “Sample Report” on the left side of your screen to view all your sample reports.

<

Report View > Second Text > Third Text

Search

From

To

Filter

Reset

S.N.	Sample ID	Sample Name	Commodity	Submission Date	Completed Date	Status	Action
1	21Kxb4	Dottle Dahi	Mustard Oil	Jun 29, 2023	Jun 29, 2023	Completed	
2	8197pj	Dairy Ghee	Ghee	Jun 29, 2023	Jun 29, 2023	Completed	
3	k4YZBj	Murra Buff Momo	Ghee	Jun 28, 2023	Jun 29, 2023	Completed	

Items per page: 10



1 – 3 of 3

<

>

- Click on the view icon to view and download an individual sample report.

ion
n-LIMS

Created By
User User

Created at
Jun 29, 2023, 6:03:42 PM

Approve By
Smu Smu

Approve At
Jun 29, 2023, 6:09:03 PM

Completed At
Jun 29, 2023, 6:42:27 PM

Completed

Sample Details

Sample ID 21KXb4	Sample Name Dottle Dahi	Commodity Mustard Oil
MFD Jun 25, 2023	Best Before Date Jun 30, 2023	Batch 10
Brand DDC	Purpose of Analysis Export	Condition Good

Sample Report

Download Report

Parameter Details

S.N.	Parameter Name	Test Type	Method	Units	Mandatory Standards	Result
1	Refractive Index	Instrumental	AOAC, 21st Edn, 2019, 921.08	N/A	1.4646 to 1.4662	1.4
2	Iodine Value	Biochemical	AOAC, 21st Edn, 2019, 993.20	N/A	96 to 112	-1.367
3	Saponification Value	Biochemical	AOAC, 21st Edn, 2019, 920.160	N/A	168 to 177	4.315
4	Unsaponifiable Matter	Biochemical	N/A	g/kg	not more than 12 g/ kg	60
5	Acid Value	Biochemical	AOAC, 21st Edn, 2019, 940.28	mg KOH/g	not more than 6.0 mg KOH / g	1442.1
6	Peroxide Value	Biochemical	AOAC, 21st Edn, 2019, 965.33	meq O2/kg	not more than 10.0 meq O2/kg	670.886
7	Bellier Test	Biochemical	N/A	degree centigrade	not more than 27.5 degree centigrade	78
8	Hexabromide Test	Biochemical	N/A	N/A	negative	78
9	Color	Biochemical	FSSAI 02.046:2021	N/A	negative	45
10	Argemone Oil	Biochemical	N/A	N/A	Absent	80

2.4. My Account

- Click on “My Account” to view your account information. You can also change your password on this page.

UU

User User

USER

Change Password

Personal Details

Full Name: User User

Email: user@gmail.com

Phone Number: 9864956214

Username: user

Client Category: Industry

Industry Details

Industry Name: Testing Private Limited

Industry Address: Kathmandu

Registration Number: 500533543

Documents

Registration Documents

Result Not Found

Attention - This information is not available for a moment

Get Back

Download

Renew Documents

Result Not Found

Attention - This information is not available for a moment

Get Back

Download