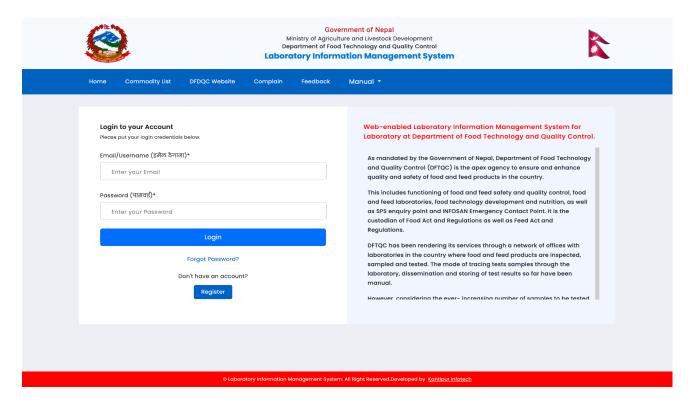# Laboratory Information Management System (LIMS)

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.
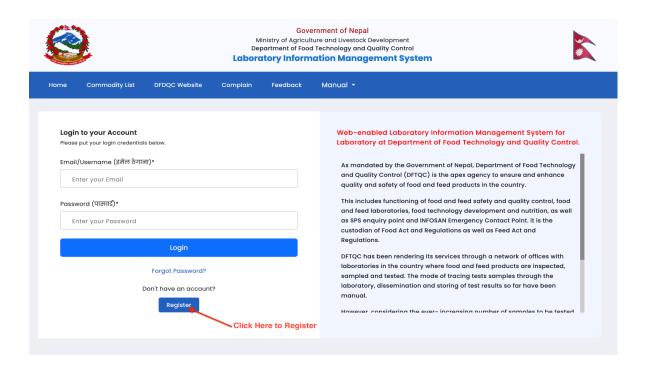
The Department of Food Technology and Quality Control (DFTQC) is the apex agency mandated by the Government of Nepal to ensure and enhance the quality and safety of food and feed products in the country. DFTQC is planning to implement LIMS to speed up its operations, storage management, sample tracking, 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:

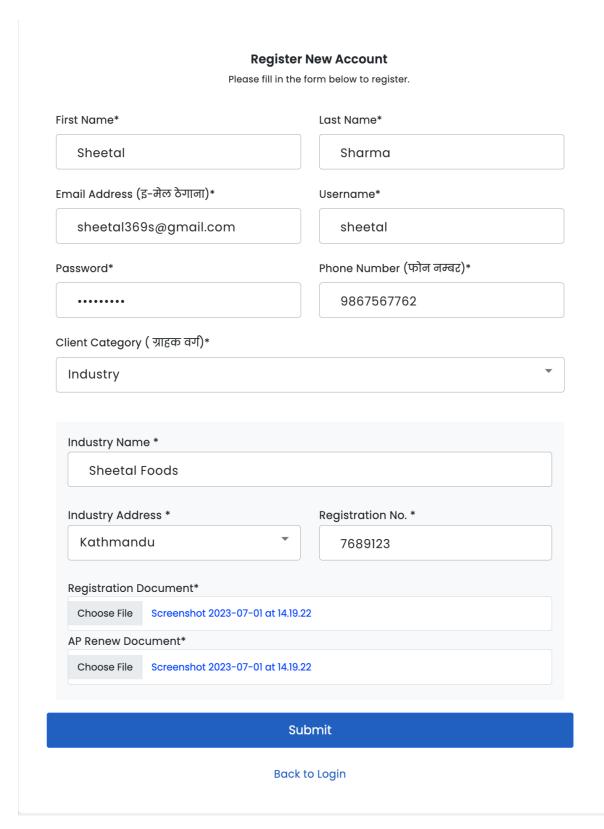# 1. User Registration and login

1.1. User Registration

1. Go to the home page and click on the Register button.

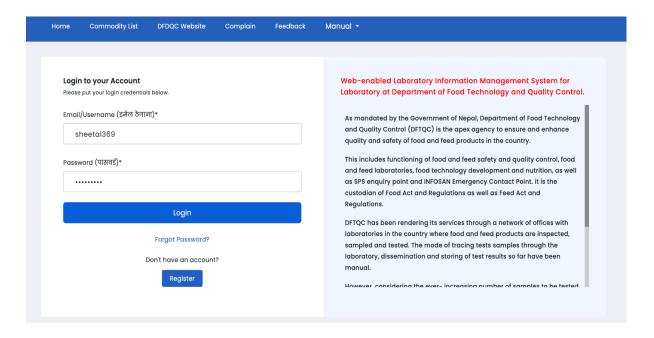2. Fill up the form with your credentials and required documents as shown below. (*)
   fields are mandatory fields. Choose your client category (industry, import, export,
   government agency, etc.), then fill in the necessary information and upload the required
   documents.

Register New Account

Please fill in the form below to register.

First Name*

Sheetal

Last Name*

Sharma

Email Address (इ-मेल ठेगाना)*

sheetal369s@gmail.com

Username*

sheetal

Password*

•••••••••

Phone Number (फोन नम्बर)*

9867567762

Client Category (ग्राहक वर्ग)*

Industry

Industry Name *

Sheetal Foods

Industry Address *

Kathmandu

Registration No. *

7689123

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

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

2. 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.

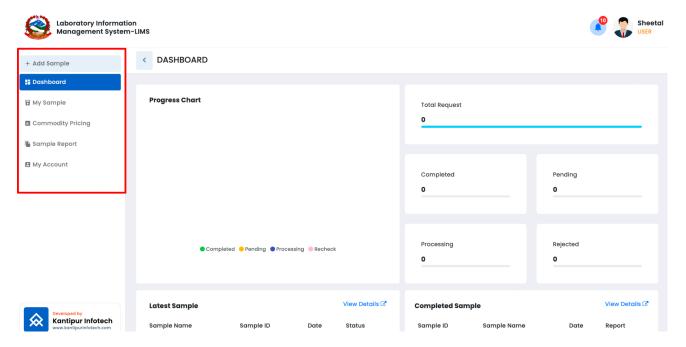3. Your account needs to be verified to add samples. Once your account is verified, you will be notified via email. You can see the add sample and other sample-related buttons on the top left side of your screen.

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.

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.

Purpose of Analysis (प्रयोगशाला विश्लेषणको उदेश्य)*

Requested

Sample Type*	Sample Quantity	Sample Per*	Units *
Liquid	500	2	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
☑	1	Refractive index	150
☐	2	Reichert Meissl values	200
☑	3	Acid Value	100
☑	4	Peroxide value	150
☐	5	Moisture	100

Total: Rs.400

Submit

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

2.2. View Sample

1. 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.

2.3. Sample Report

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

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

Sample Details

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

1. 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   **Renew Documents**

Download   Download