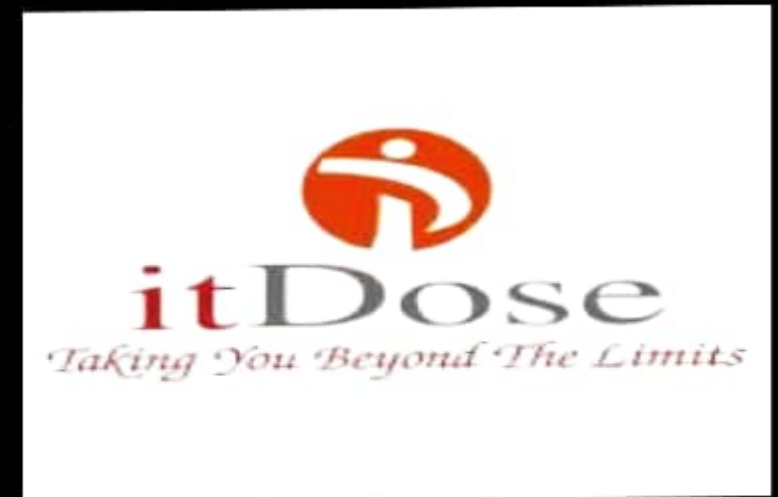# ITDOSE INFOSYSTEM PVT. LTD.

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INTRODUCTION :

LABORATORY INFROMATION SYSTEM VERSION (6.0).

INTRODUCTIONS

LABORATORY INFORMATION SYSTEM

A laboratory information system (LIS) is computer software that processes, stores and manages data from all stages of medical processes and tests.

Physicians and lab technicians use laboratory information systems to coordinate varieties of inpatient and outpatient medical testing, including hematology, chemistry, immunology and microbiology. Basic laboratory information systems commonly have features that manage patient check in, order entry, specimen processing, result entry and patient demographics. An LIS tracks and stores clinical details about a patient during a lab visit and keeps the information stored in its database for future reference.

A closely related technology to LIS is a laboratory information management system (LIMS), but there are differences between the two software types. An LIS is a healthcare system that holds clinical data. By comparison, an LIMS can be deployed in healthcare, too, but it is also used in non-medical settings, including in environmental testing laboratories, pharmaceutical laboratories and water treatment plants. An LIMS can be used as a Web tool or installed on a personal computer or device and stores and manages captured data, as well as producing reports from that data.

The electronic data capture process of an LIMS or LIS can reduce time spent and cut errors associated with the transcribing process.

Maintenance of laboratory information systems took on added importance with the introduction of the meaningful use program. The program is overseen by the Centers for Medicare & Medicaid Services and consists of sets of criteria split into stage 1, stage 2 and stage 3. Participating healthcare providers that successfully prove their electronic health record (EHR) systems or EHR modules -- such as an LIS -- satisfy program criteria are eligible for incentive payments. If an LIS is tested and certified to meet meaningful use criteria or other health IT certification standards, it is defined as an EHR module.

Some meaningful use reporting measures that could involve an LIS include the electronic submission of lab test results to public health agencies and the incorporation of clinical lab test results into a certified EHR system.

By Sudhanshu

Content Screen's

- LOGIN.
- REGISTRATION.
- SAMPLE COLLECTION.
- LABORATORY.
- RESULT ENTRY.
- DISPATCH REPORT.
- LABORATORY MASTER

TABLE OF CONTENTS !

Login

➢Login means a login and password that allows access to the Service. Sample 1. User-Login means a unique username and associated password provisioned to an identifiable individual to permit them to access the Services.
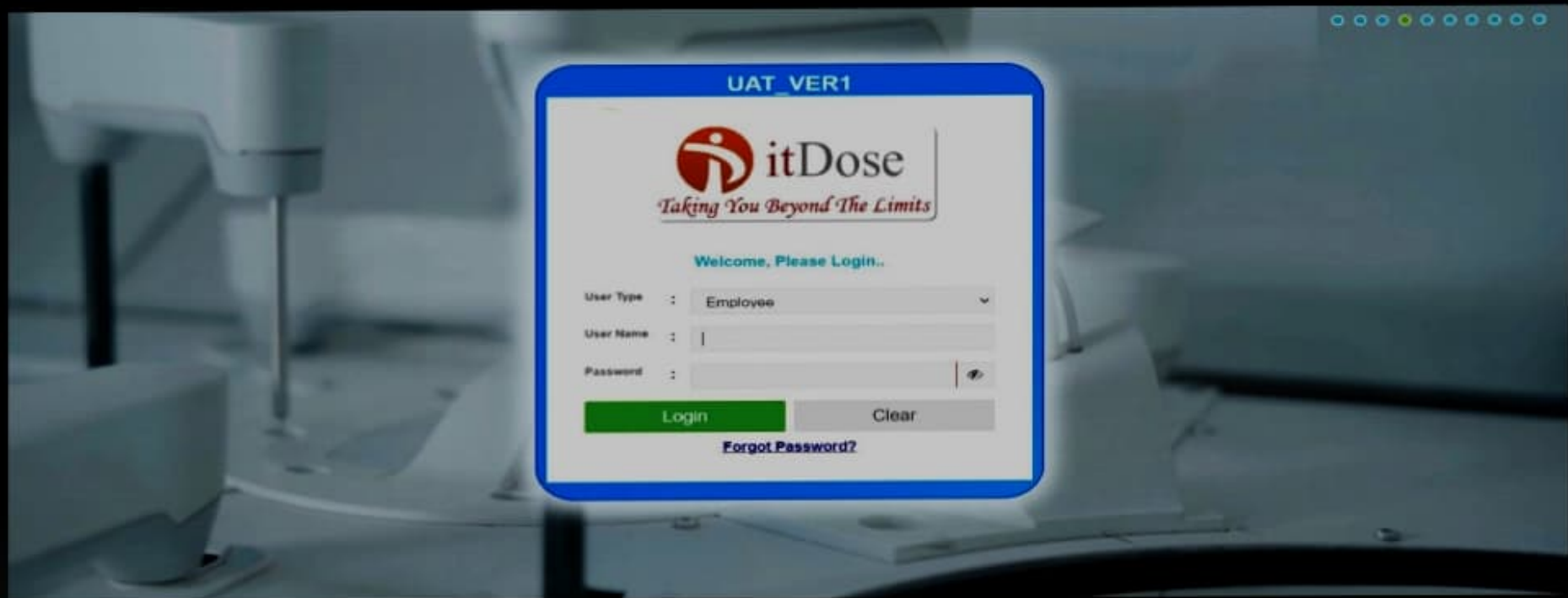
➢Login screen allow you to enter and access the module features assign by the administrator.

Role's and Departments.
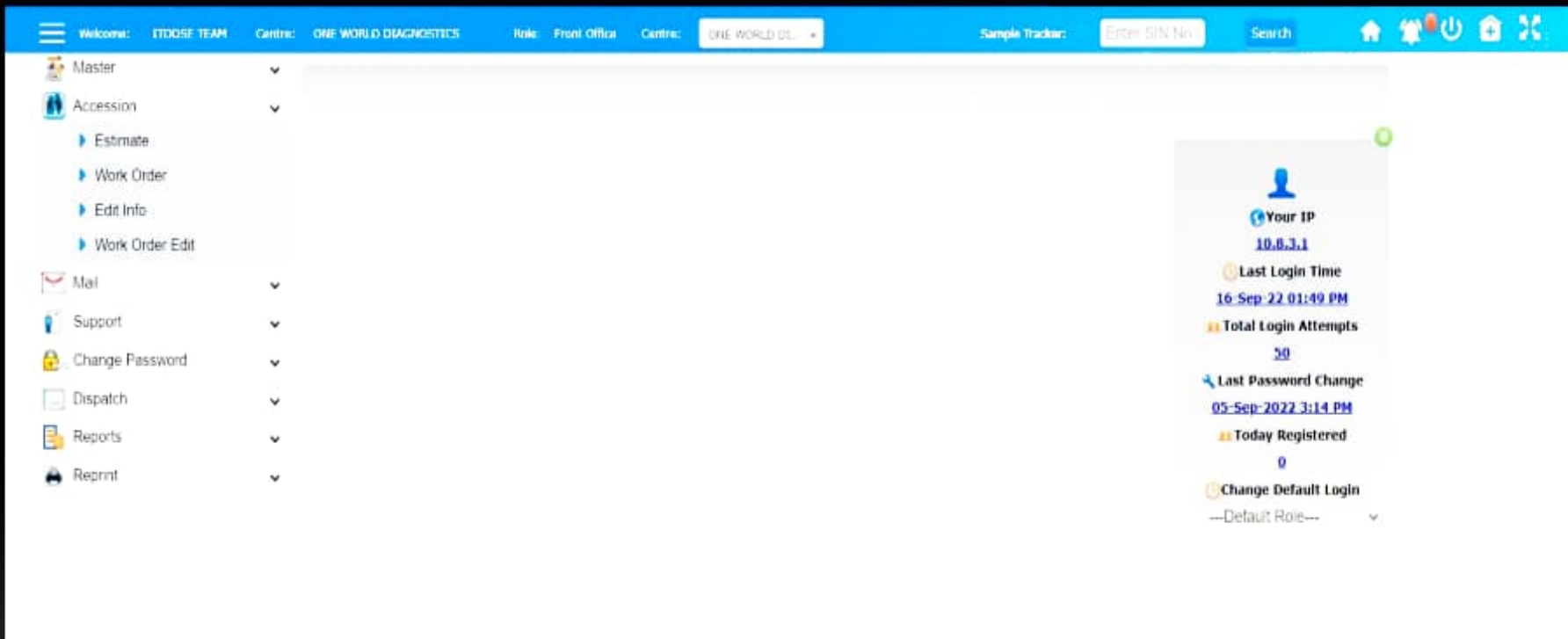
➤Have look the role and departments in the below of attached images :

➤Different Type of roles are arranged by the administer for the employee .
After login you would be able to see the particular that are given to you

Menu and Sub-Menu !

➢The Toolbar on all LIS screens contains buttons that give you quick access to common commands. To choose a command, simply click the appropriate button. Following are the buttons included in the toolbar.

➢Here in this section we only discussed about the collection of the patients and the registration . For new registration go through the accession and click on the work order for a new registration.

Registration !

➢ So here we are on the registration page. Here the First step of the registration start. So, Just Click on the Registration and you Redirect to this page for new Registration.

➢ **So In The previous picture I assigned a number to all the field which is used to do a new registration. So we discussed all the point one by one in order.**

1 :- The first is to select the Center .There's maybe different center In your lab so You have to choose in which center you have to do booking. So just select one of the center from the given center list in dropdown.

2:- Second one is Mobile Number enter the mobile number of the patient in this field. This the mandatory field .you have to enter the mobile number for each and every patient.

3:- Third one is the Patient name. So first select the tittles of the patient like Mr./Mrs. Form the selection of the tittles Gender is auto Select Like Male or Female. And in the textbox just at the right of the tittles enter the patient name. It is also the mandatory field.

4:- Gender about the gender I tell in the above tittles concept just select tittles Gender become auto-change.

5:- Address Enter the Patient address here.

6. City :- Select City of the Patient.

7:- Source In the source field select the type from where the patient come Or the source of the patient .

 8:- ID Proof No:- If you want to enter the id proof the patient select the type of the ID like Aadhar Card, Voter Id Card etc. And enter the number just in the right textbox .

9:- Visit Type :- If want to enter the visit Type select one of the option Lab visit , Center visit etc.

10:-Other Refer No:-Enter the Reference No. here If any Form where the patient is referred.

11:-Visit Type:- Select the visit Type of the patient like Walk-In, Panel, or other .

12:-UHID No:- In some case like OPD or The patient from any hospital Or you want to give the UHID no . In that much case UHID No is required so just enter the UHID no if any.

13 :- Age Enter the Age of the patient here . In the year or month or days if have . Or select the DOB You have to select one of these Because the age is mandatory And the Ranges that we mention for test that come on the behalf of the age. That for this Age the result is low or high or negative or positive.

14:- Refer Doctor Selection of the Doctor is mandatory . Select self if does not refer by the doctor or If refer by the doctor that in you lab select that doctor name.

15:-Locality Select the Locality If have

16. Select the State from where the patient belong to.

17:- Dispatch Mode: Dispatch mode means to say how to send the report of the patient like If patient just come to give the sample and say I m not be able to come for collect my report. So can you please parcel or email it to me. So in the dispatch mode select the report sending type

18:- Clinical History Enter the history overview if have of the lab.

19:- Rate Type:- There's Lots of rate type is given to you like a standard rate or for different panel there are different rate plans According to that rate plan the test charges are come or on that selected rate Receipt generate.

20:- Pre Booking No:-Enter the booking number if have.

21:- DOB:- Already discussed in point no 13. AGE

22:-Second Ref:-Some time for a patient there is two referral doctor so select if any second referral .

23:-Pin code:- Enter the Pin code or Zip Code here.

24:-Country:- Select the country here.

25. Email: Enter the Email Id here if Any

26:- Remarks:- Enter the remarks here .Remarks are used to the remember the common thing about the patient like for ex. The patient is known of the lab Owner .or Pending some amount or relative of ABC.

27:- Home collection:- If the sample is collected from the home of the patient select the Home collection

28 :- Membership Card:- If the patient has member ship of your lab select the membership card for this patient

29:- Old Patient Search If the patient has already register In your lab search the patient from this menu. There are many filter option available to search the old patient.

30:-This is the Preview Option of the image if the patient image is uploaded that show in that part.

31:- Capture Image: This is the image capture option where you capture the image the web cam is option when you click on that Button

32:- O Printer Upload Uploaded option available here.

33:- Manual Upload :- If the image is in your system You can manual upload from you Pc.

34:- Investigation selection Or Test selection Part:-Here in this part you search the preferred test for the patient or select the test for which the patient has been come . There are three search option available search by code ,search by name , or in between select one of form them which you know about if you know the test code enter the code in the box the test come select from the list is you know the name enter the name of the test . If you don't know any of the name . Enter the charter or select the in between option the test match with these character come in the list. You can choose multiple tests for the patient.

35:- Currency:- Here defines the currency in which you received money form the patient .

36:-Payment Mode:-There are different payment option available here in which you take money from the patient. Like cash , credit , online payment ,NEFT etc. You can take separate amount in those like 100 in cash 100 in online wallet because some time issue come like patient don't have enough cash to pay so they ask you to can we give half amount cash and half in the wallet. You can choose multiple option from here.

37 :- Discount :- Now here we come in the Discount part. If you want to give any type of discount to the patient. Just enter the discount amount or discount in percentage. Note you can only choose one of the option . Amount or Percentage not both. Select the Person who giving the discount and the reason of discount these both are mandatory If you giving discount to the patient.

38:- Total :- Here is the last and the final step of the payment received. There are different label you see here Like Gross amount , Net amount, Paid Amount , balance Amount, Cash Rendering.

Gross Amount:- It show the Total amount of all the test means the base rate of all the test. Net Amount: - The amount That the patient has to actually paid. After discount and all other stuffs.

Paid Amount:- The amount which are paid by the patient in Cash ,

Credit or in Wallet Due Amount:- The amount which is pending from the Patient side show in that column. These are the non Editable column.

Cash rendering:- Most of the People is unaware from this. Every time they ask about this column what is this . So here I tell you what is it. Cash rendering means the left amount that you have to pay back to patient . After cut of the total amount .

Let me describe you by giving a example :- The net total of the patient is rupee 750 only and the patient give you the 2000 rupee note . So just enter the 2000 amount in the cash rendering box it show the left amount 1250 which you have to give back to the patient.