

# **User Manual For e-Sushrut (Investigation Module)**

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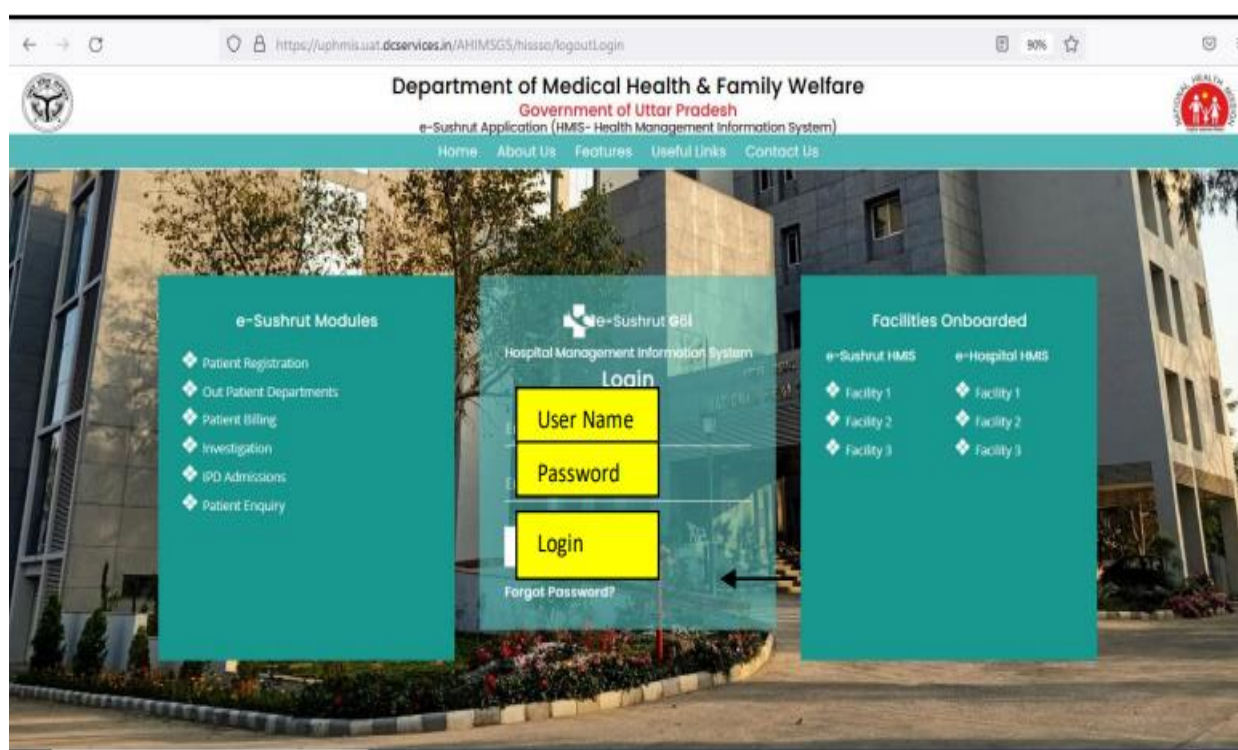
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## Login Process:-

In this process, **REGISTRATION Clerk/Operator** has to enter the User ID & Password in the respective login screen. As shown below:

**Step 1:-** Enter '**user Id**' and '**Password**' then click on '**Login**' button after successful login, menu screen will appear.



**Login Form**

## Errors and exceptions in Login

Your Login may fail due to any of the following:

- Incorrect User Id or password
- User login expired
- Network / Server failure

In all cases of errors, the system will display relevant error message.

## Incorrect User Name / Password

The system will display **Login Failed** message:-



**Figure I**

This error could occur because the user has entered the User Id /or password incorrectly.

### User Login Expired

In the user management module, corresponding to every new user created, the expiry date for that user ID is stored. Upon reaching the expiry date, the user would not be able to login successfully.

### Network / Server failure

In the case where your system is unable to establish a network connection with the designated server the system will display a message. Please contact the administrator for further instructions.

## Forgot Password:-

All the Users of Hospital Management Information system (HMIS) have been allotted user name and Password. User name is a name, which will enable the user to log on to the HMIS. The

password is like a digital signature. It is very imperative that one should keep one's password a secret. Disclosing your password is like telling the secret code of a number lock to someone. Whenever a user saves a crucial record into the database, his user name is also attached to the record. At any given point later the System administrator can find out who saved the record into the database. So if someone knows your Password he will log on to the system using it and add anything into the database and you could be held responsible for it later. Never disclose your Password to anyone and do not keep your name, family member's names or anything that can be guessed by people around you as Password

Note: - If forgot your password then follow following steps:-

Step 1:- Click on 'Forgot Password'

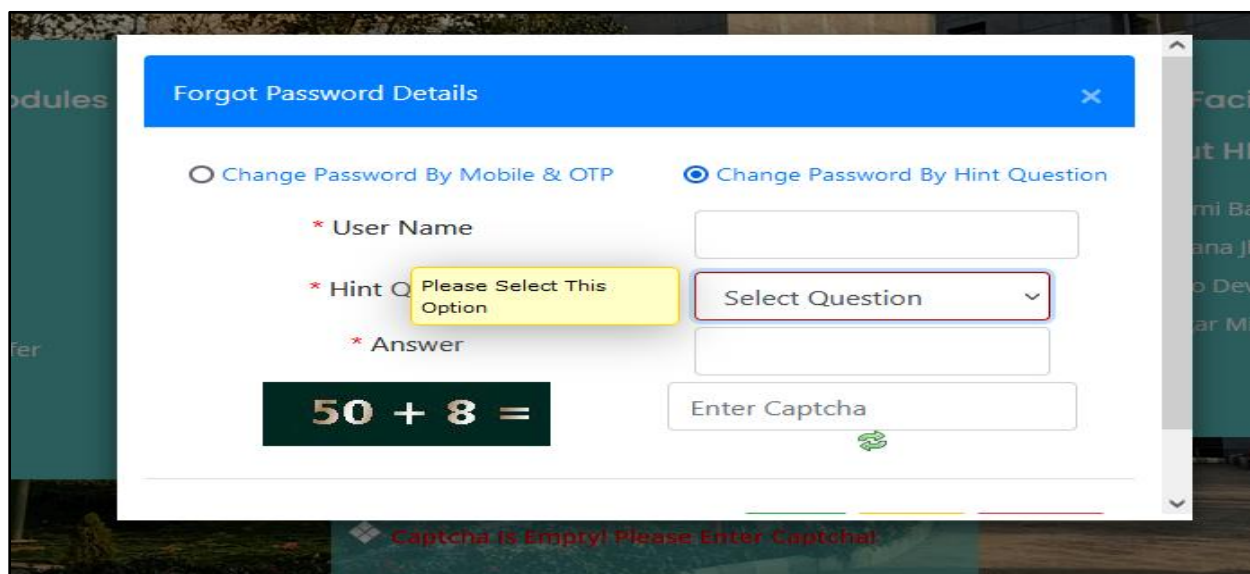


**Figure II**



Step 2:- Select hint question from list box and answer the hint question or click on change password By Mobile & OTP

Step 3:- Click on 'Next' button.



**Forgot Password Details**

☐ Change Password By Mobile & OTP
 ☒ Change Password By Hint Question

\* User Name

\* Hint Question Please Select This Option

\* Answer

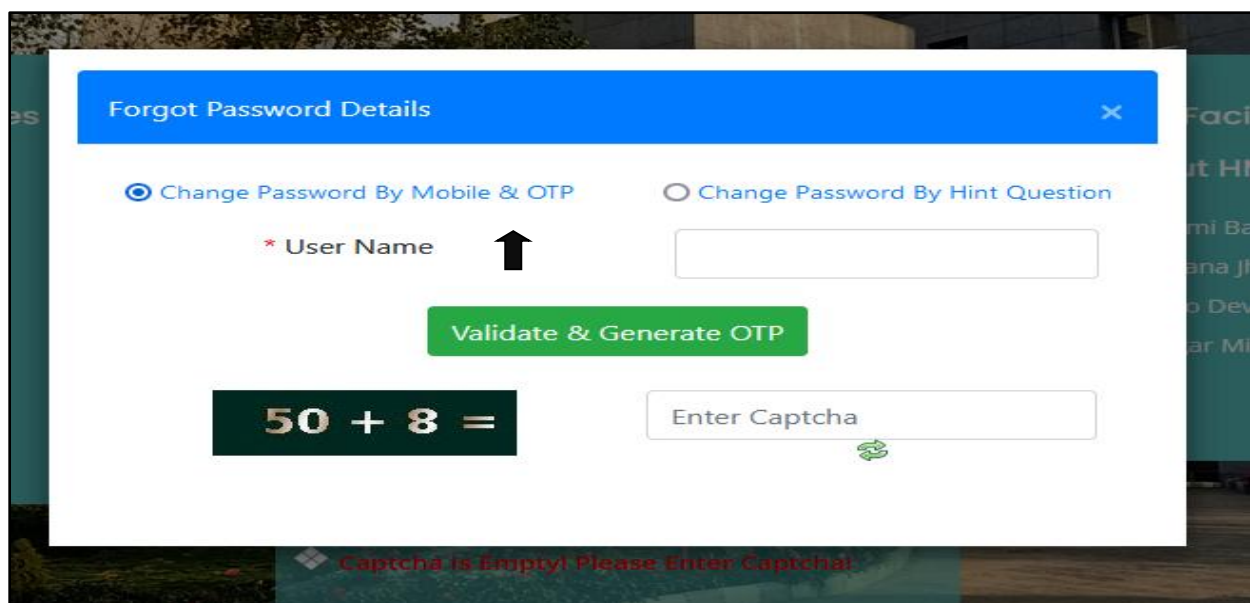
**50 + 8 =**

Enter Captcha

**Validate & Generate OTP**

Captcha is Empty! Please Enter Captcha!

Figure III



**Forgot Password Details**

☒ Change Password By Mobile & OTP
 ☐ Change Password By Hint Question

\* User Name

**Validate & Generate OTP**

\* Answer

**50 + 8 =**

Enter Captcha

Captcha is Empty! Please Enter Captcha!

Figure IV

Step 4:- Enter new password and reenter password in confirm password field, then click on 'Save' to save the password.

After that you will get a message 'Your password has been changed'

## Login Form:-

Step 1:- Enter 'User Id', 'Password' and Captcha and then click on 'Login' button.

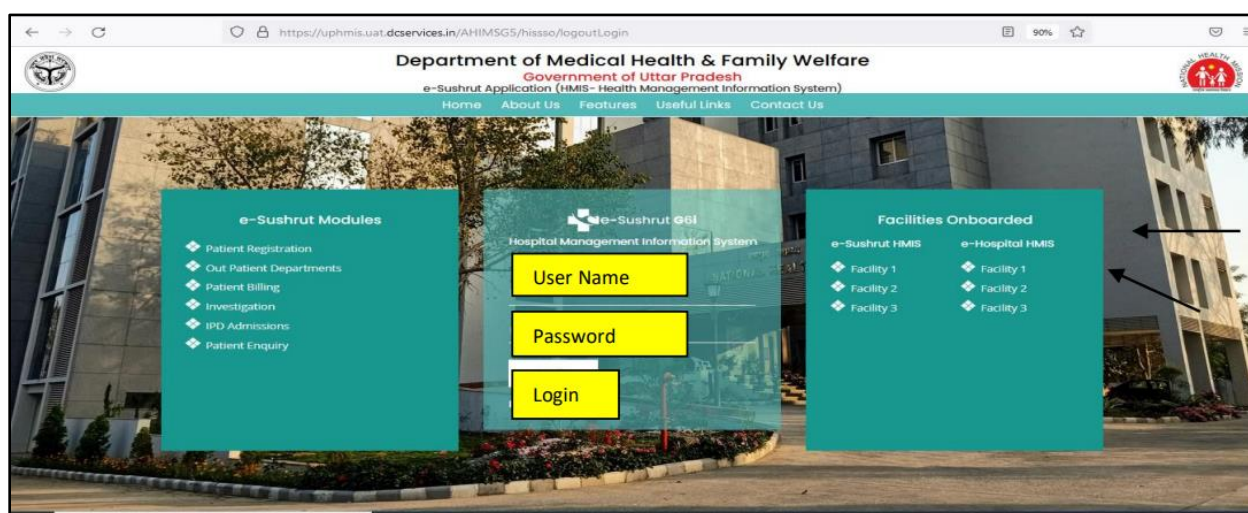


Figure V

After successful login, menu screen appear, you can select required service.

**Step 2:-** Click on **Investigation**, User can able to view **Services, Setup** and **Reports** on the screen

## HIS Services

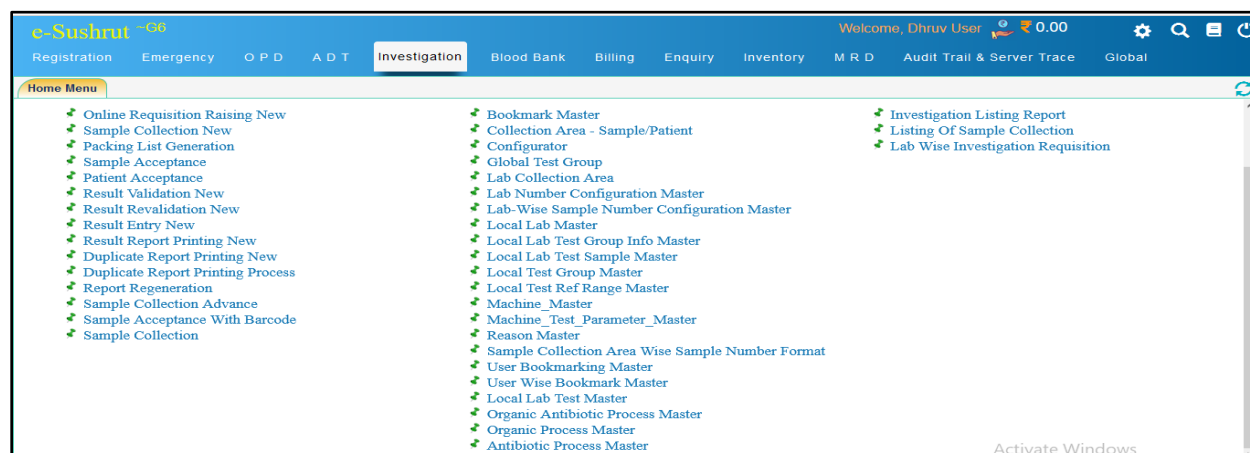


Figure VII

**Investigation:-**Investigation Services deals with the Tests and Investigation related activities carried out in the hospital. In any Hospital there are a number of tests performed on the patients or samples. For completion of a Test certain workflow is followed in the Hospital. In the HMIS this workflow is taken care with the help of Investigation Service Module

### 1. Online Requisition Raising

**Path: Investigation→Services→Online Requisition Raising**

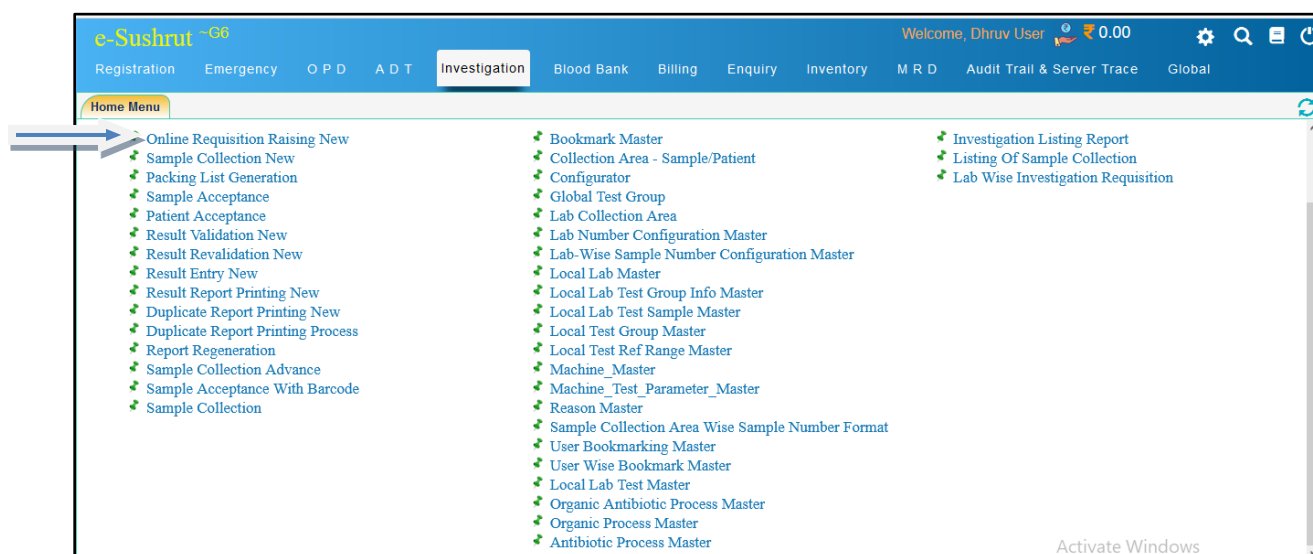
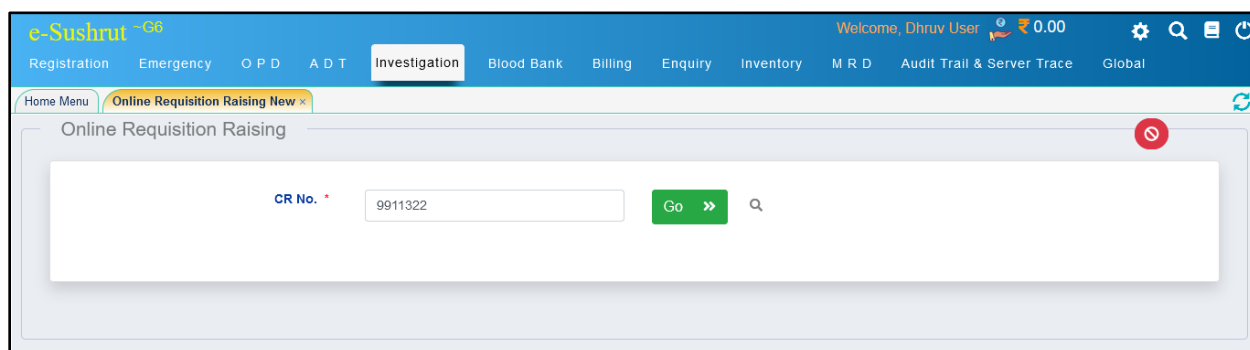


Figure 1.0

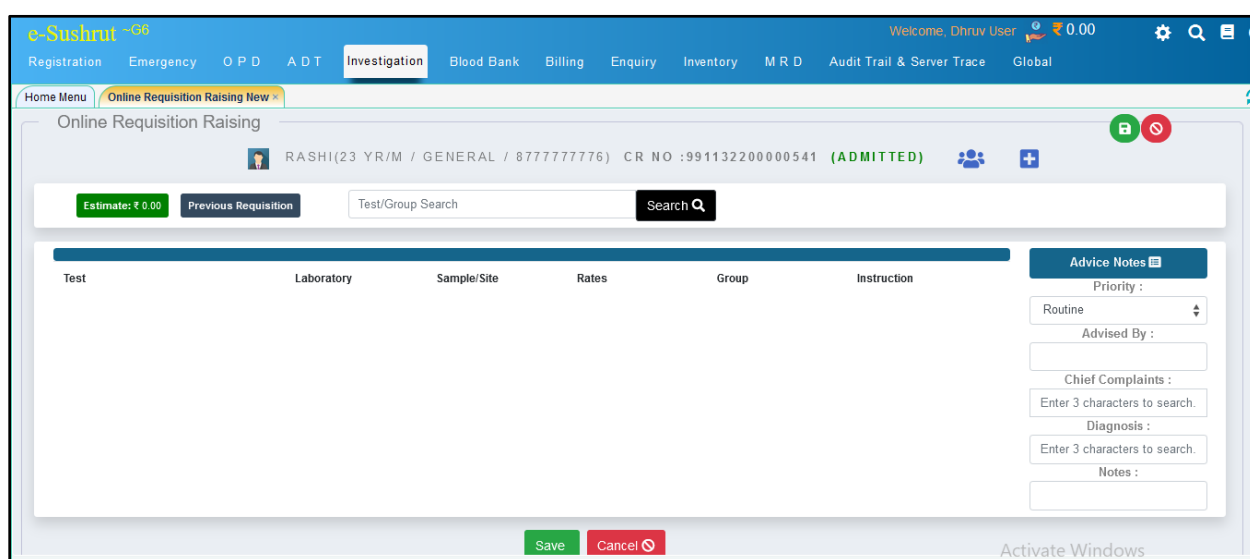


Enter the **CR Number** of the patient in the text field and *click on Go* button to navigate to next screen.

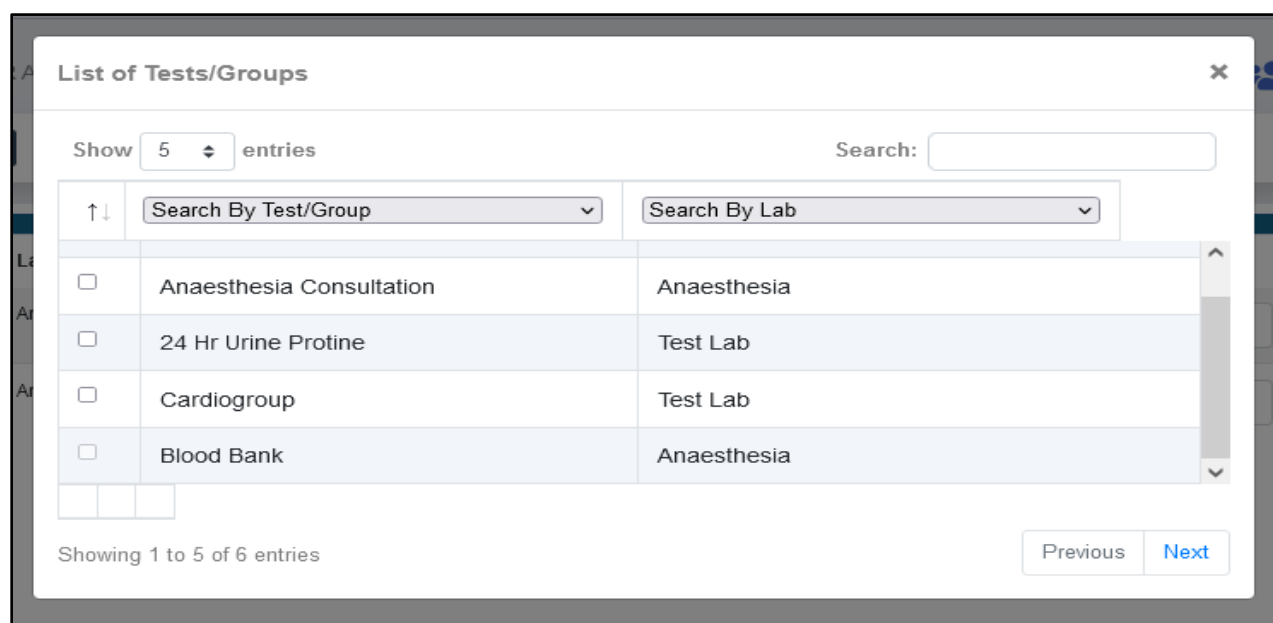


**Figure 1.1**

Select the “**Test**” or “**Group**” by clicking on search Button. *Click on save* button.

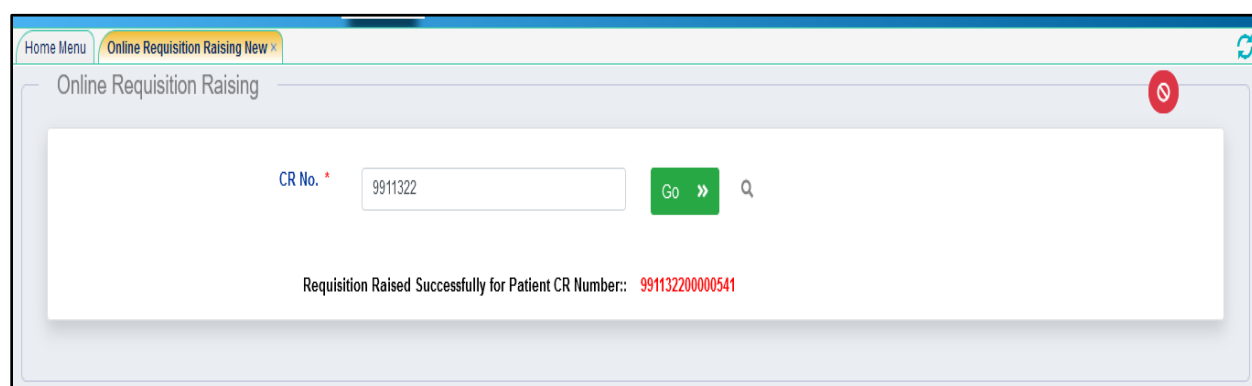


**Figure 1.2**



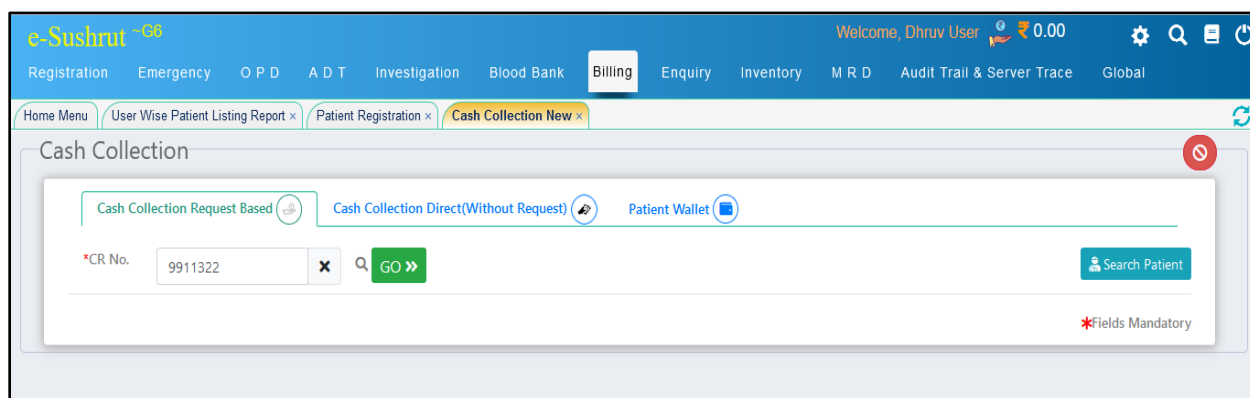
**Figure 1.3**

When user *Click on “Save”* button, Confirmation message will be displayed on the screen.



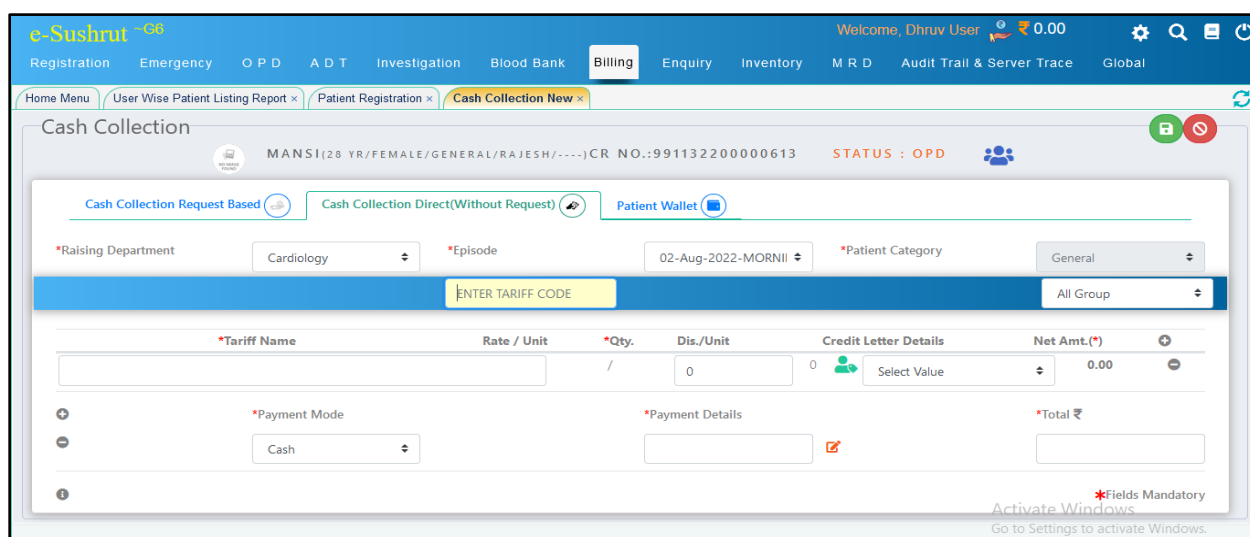
**Figure 1.4**

Go to Billing Module in Cash Collection Desk to collect Test amount, refer billing Module for detail.



The screenshot shows the 'e-Sushrut' application interface. The top navigation bar includes 'Registration', 'Emergency', 'O P D', 'A D T', 'Investigation', 'Blood Bank', 'Billing' (highlighted), 'Enquiry', 'Inventory', 'M R D', 'Audit Trail & Server Trace', and 'Global'. Below this, a sub-navigation bar shows 'Home Menu', 'User Wise Patient Listing Report', 'Patient Registration', and 'Cash Collection New' (highlighted). The main content area is titled 'Cash Collection' and contains three tabs: 'Cash Collection Request Based', 'Cash Collection Direct(Without Request)', and 'Patient Wallet'. A search bar is present with the text '\*CR No.' and the value '9911322'. A green 'GO >>' button is next to the search bar. A 'Search Patient' button is also visible. A red asterisk indicates '\*Fields Mandatory'.

Figure 1.5



The screenshot shows the 'e-Sushrut' application interface with the 'Cash Collection Direct(Without Request)' tab selected. The patient information bar displays 'MANSI(28 YR/FEMALE/GENERAL/RAJESH/---) CR NO.:991132200000613' and 'STATUS : OPD'. The form includes fields for '\*Raising Department' (Cardiology), '\*Episode' (02-Aug-2022-MORNII), and '\*Patient Category' (General). A blue bar with 'ENTER TARIFF CODE' is present. Below this is a table with columns: '\*Tariff Name', 'Rate / Unit', '\*Qty.', 'Dis./Unit', 'Credit Letter Details', and 'Net Amt.(\*)'. The table has one row with a value of '0' in the '\*Qty.' column. At the bottom, there are fields for '\*Payment Mode' (Cash), '\*Payment Details', and '\*Total ₹'. A red asterisk indicates '\*Fields Mandatory'. A watermark 'Activate Windows. Go to Settings to activate Windows.' is visible at the bottom right.

Figure 1.6

## 2. Sample Collection

Path: Investigation→ Services→Sample Collection

Click on “Sample Collection” to navigate to next screen.

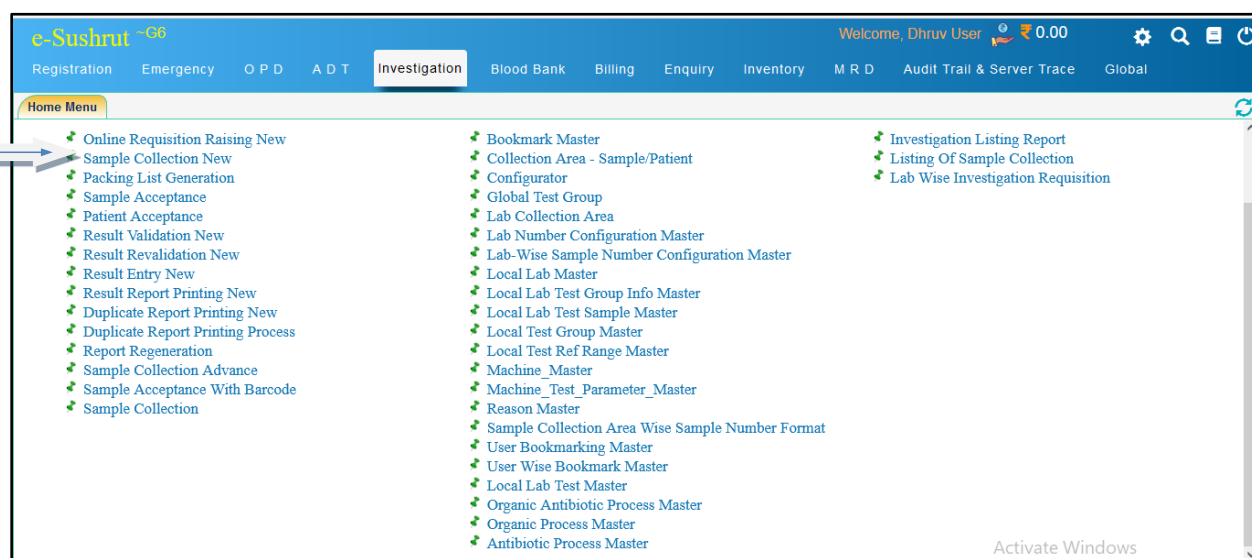


Figure 2.0

Select the record by clicking on checkbox and *click* on the ‘Next’ button.

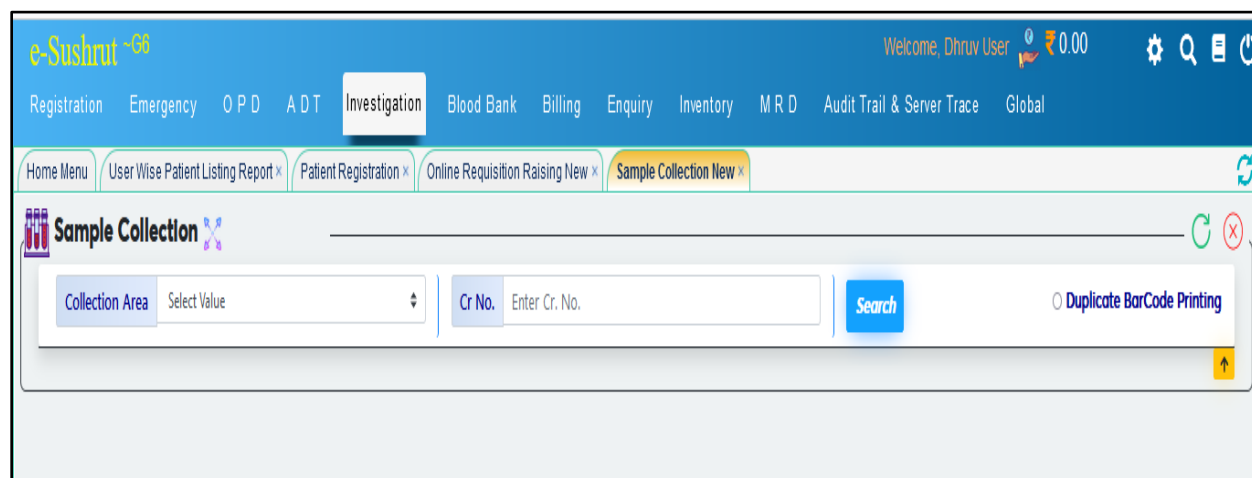
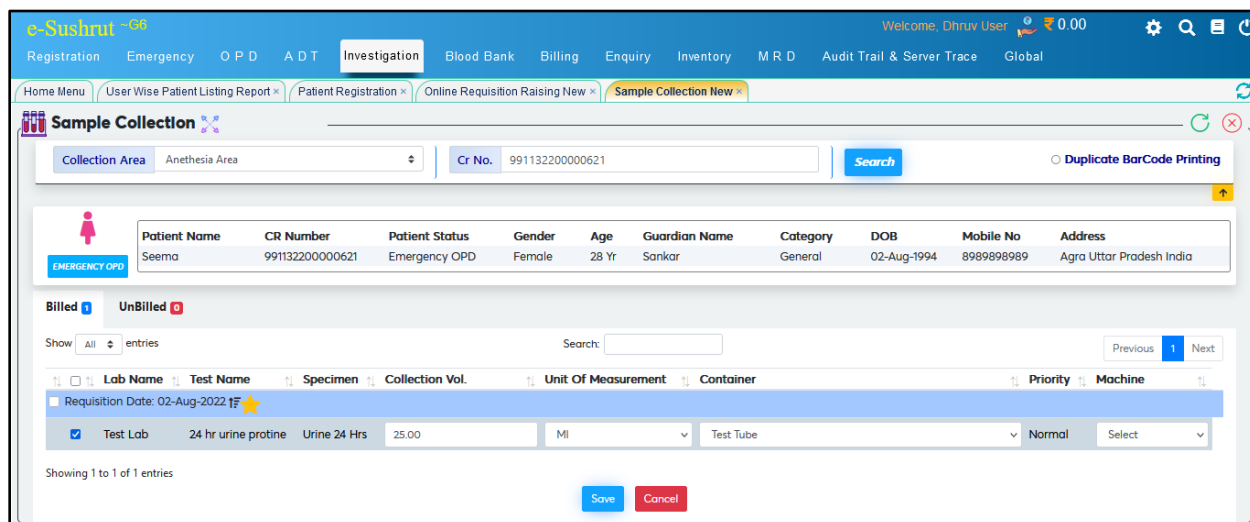


Figure 2.1

Once again *Select* the records by clicking on checkbox.

Enter the **Sample Number** if system generated sample number is not configured.

Click on '**Save**' button to save the details.



**e-Sushrut** CDAC Welcome, Dhruv User 0.00

Registration Emergency OPD ADT **Investigation** Blood Bank Billing Enquiry Inventory M R D Audit Trail & Server Trace Global

Home Menu User Wise Patient Listing Report Patient Registration Online Requisition Raising New **Sample Collection New**

**Sample Collection**

Collection Area: Anesthesia Area Cr No.: 991132200000621 **Search** ☐ Duplicate BarCode Printing

**Patient Details:**

Patient Name	CR Number	Patient Status	Gender	Age	Guardian Name	Category	DOB	Mobile No	Address
Seema	991132200000621	Emergency OPD	Female	28 Yr	Sankar	General	02-Aug-1994	8989898989	Agra Uttar Pradesh India

**Billed** **UnBilled**

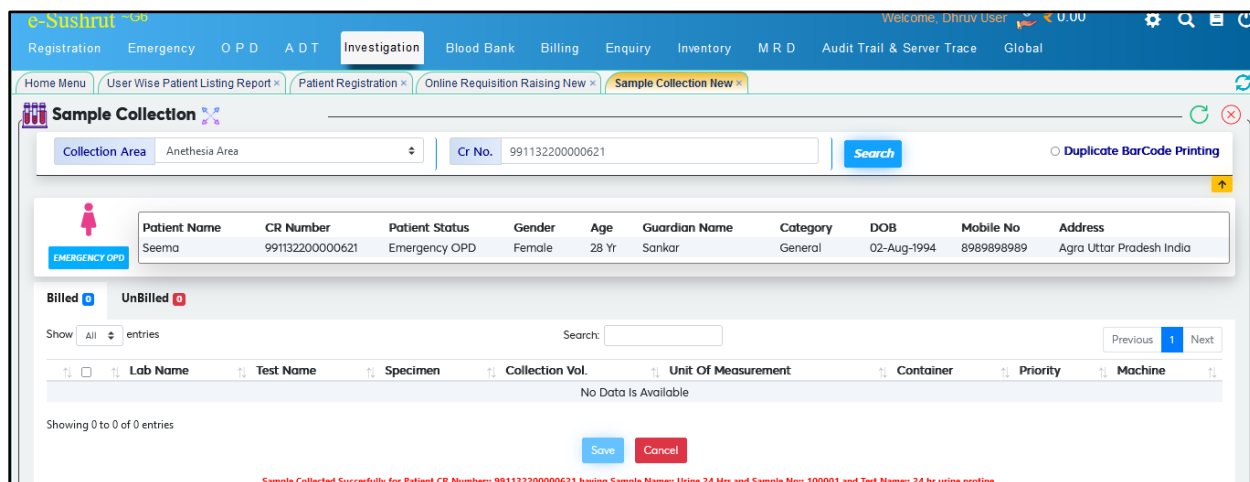
Show: All entries Search: Previous 1 Next

Lab Name	Test Name	Specimen	Collection Vol.	Unit Of Measurement	Container	Priority	Machine
Requisition Date: 02-Aug-2022							
<input checked="" type="checkbox"/>	Test Lab	24 hr urine protine	Urine 24 Hrs	25.00	MI	Test Tube	Normal

Showing 1 to 1 of 1 entries

**Save** **Cancel**

Figure 2.2



**e-Sushrut** CDAC Welcome, Dhruv User 0.00

Registration Emergency OPD ADT **Investigation** Blood Bank Billing Enquiry Inventory M R D Audit Trail & Server Trace Global

Home Menu User Wise Patient Listing Report Patient Registration Online Requisition Raising New **Sample Collection New**

**Sample Collection**

Collection Area: Anesthesia Area Cr No.: 991132200000621 **Search** ☐ Duplicate BarCode Printing

**Patient Details:**

Patient Name	CR Number	Patient Status	Gender	Age	Guardian Name	Category	DOB	Mobile No	Address
Seema	991132200000621	Emergency OPD	Female	28 Yr	Sankar	General	02-Aug-1994	8989898989	Agra Uttar Pradesh India

**Billed** **UnBilled**

Show: All entries Search: Previous 1 Next

Lab Name	Test Name	Specimen	Collection Vol.	Unit Of Measurement	Container	Priority	Machine
No Data is Available							

Showing 0 to 0 of 0 entries

**Save** **Cancel**

Sample Collected Successfully for Patient CR Numbers: 991132200000621 having Sample Names: Urine 24 Hrs and Sample Nos: 100001 and Test Names: 24 hr urine protine

Figure 2.3



### 3. Packing List Generation

Path: Investigation → Services → Packing List Generation

Click on “Packing List Generation” to navigate to next screen.

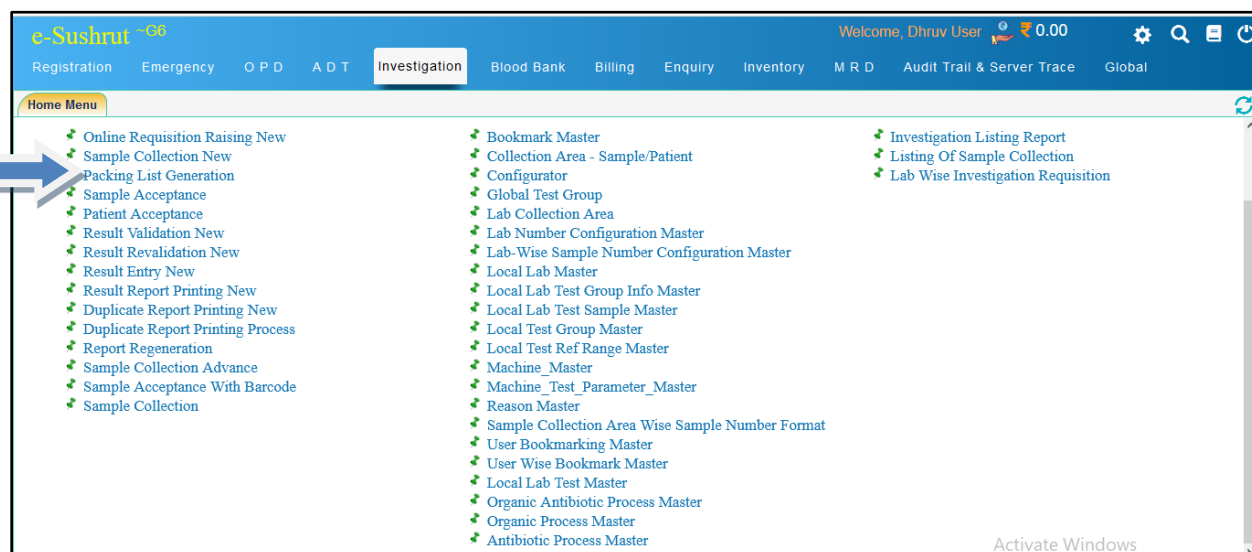


Figure 3.0

**Process 1:** Select the “Generate Packing List Sample” radio button and Select the record by clicking on checkbox.

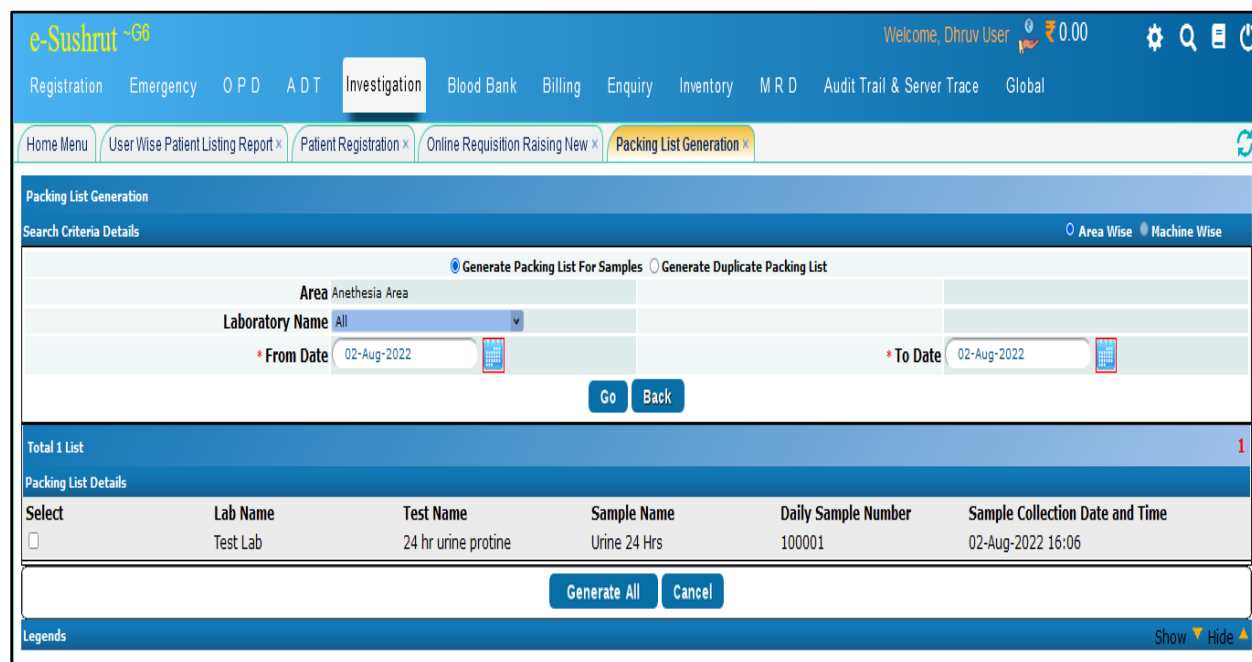
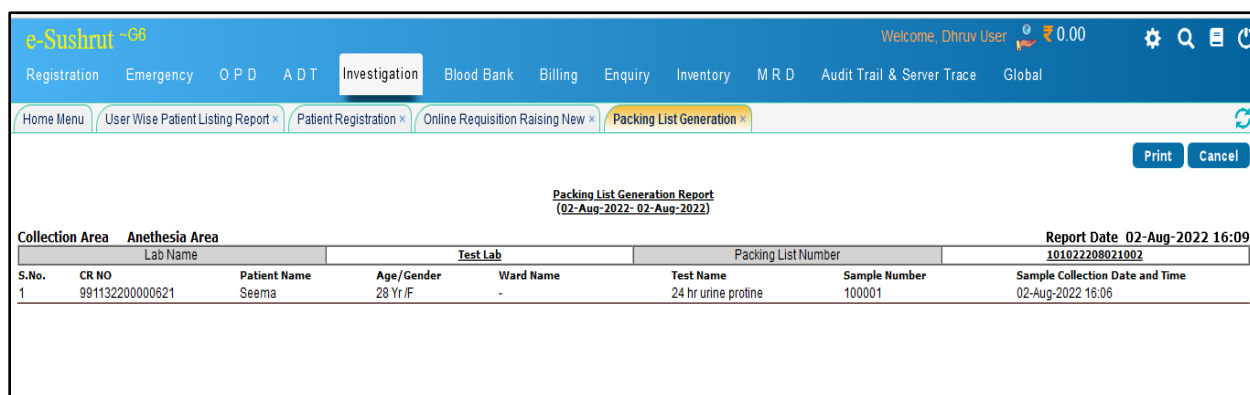


Figure 3.1

If you want to generate a packing list for more than one test then *Click* on **‘Generate All’** button.

User can view/print the **Packing List Generation Report** as shown below.



**e-Sushrut -G6** Welcome, Dhruv User ₹ 0.00

Registration Emergency O P D A D T Investigation Blood Bank Billing Enquiry Inventory M R D Audit Trail & Server Trace Global

Home Menu User Wise Patient Listing Report Patient Registration Online Requisition Raising New Packing List Generation

Print Cancel

**Packing List Generation Report**  
(02-Aug-2022- 02-Aug-2022)

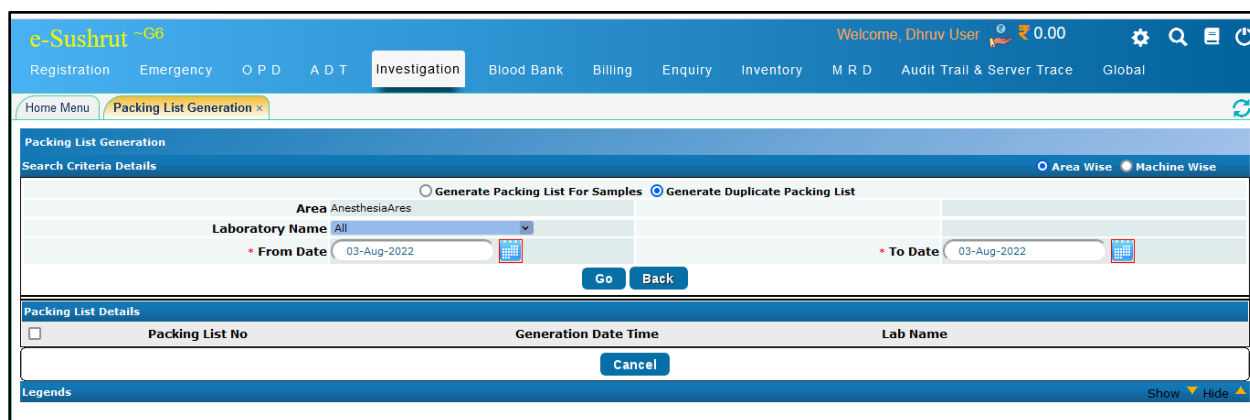
Collection Area **Anesthesia Area** Report Date **02-Aug-2022 16:09**

S.No.	CR NO	Patient Name	Age/Gender	Ward Name	Test Name	Sample Number	Sample Collection Date and Time
1	991132200000621	Seema	28 Yr /F	-	24 hr urine protine	100001	02-Aug-2022 16:06

**Figure 3.2**

**Process 2:** Select the **“Generate Duplicate Packing List”** from the dropdown list and select the checkbox corresponding to the record from the list.

*Click* on **‘Generate’** button.



**e-Sushrut -G6** Welcome, Dhruv User ₹ 0.00

Registration Emergency O P D A D T Investigation Blood Bank Billing Enquiry Inventory M R D Audit Trail & Server Trace Global

Home Menu Packing List Generation

**Packing List Generation**

Search Criteria Details

☐ Generate Packing List For Samples ☒ Generate Duplicate Packing List

Area **AnesthesiaArea**

Laboratory Name **All**

\* From Date **03-Aug-2022** \* To Date **03-Aug-2022**

Go Back

**Packing List Details**

☐ Packing List No Generation Date Time Lab Name

Cancel

Legends Show Hide

**Figure 3.3**

User can view/print the “Packing List Generation Report” (Duplicate) as shown below.

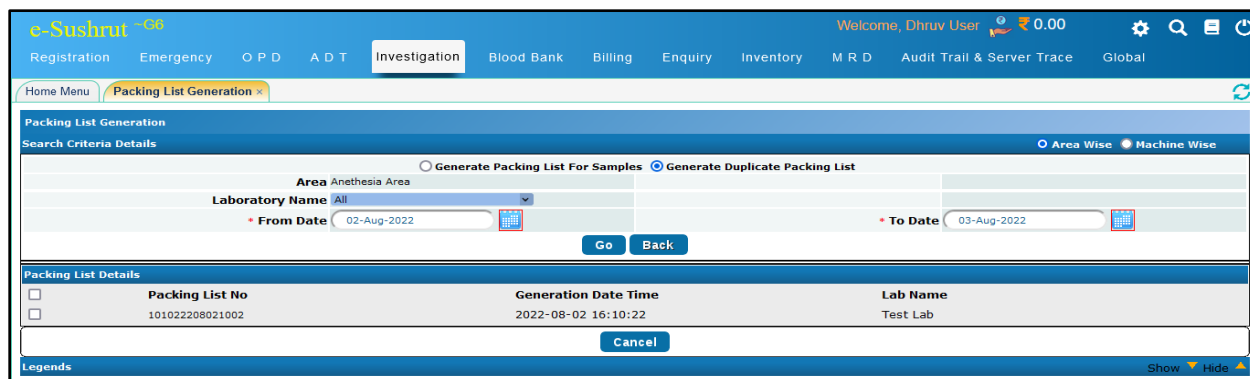
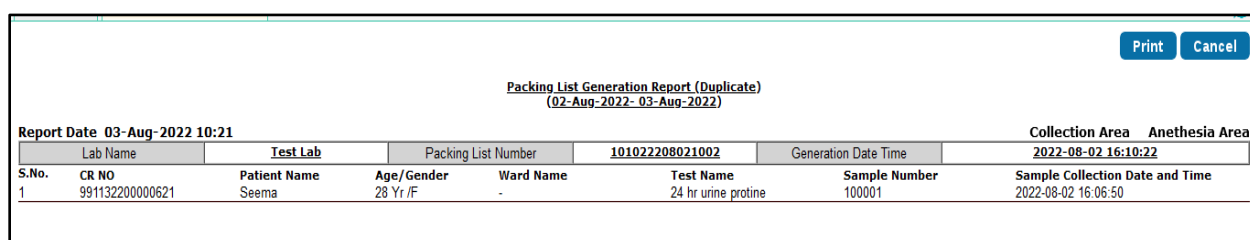


Figure 3.4



Report Date	03-Aug-2022 10:21
Lab Name	991132200000621
Test Lab	Seema
Packing List Number	101022208021002
Generation Date Time	2022-08-02 16:10:22
Collection Area	2022-08-02 16:10:22
Anesthesia Area	2022-08-02 16:06:50

Figure 3.5

## 4. Sample Acceptance

Path: Investigation → Services → Sample Acceptance

Select the “Sample Acceptance” to navigate to next screen.

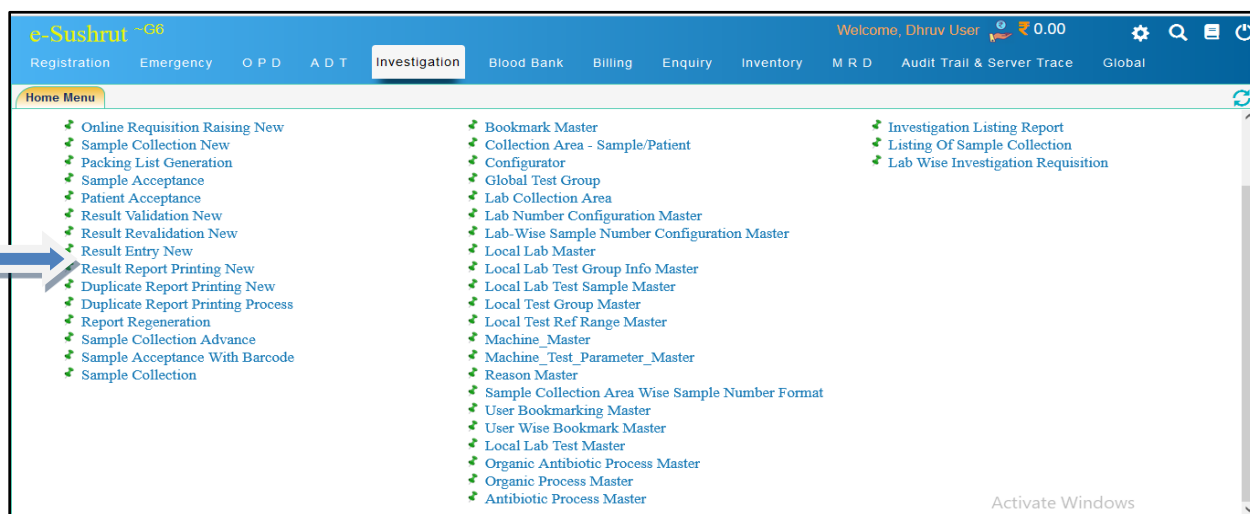


Figure 4.0

Select the “**Lab Name**” from respective dropdown list, and Click on **Go** button to fetch the details.

Select the radio button corresponding to the record.

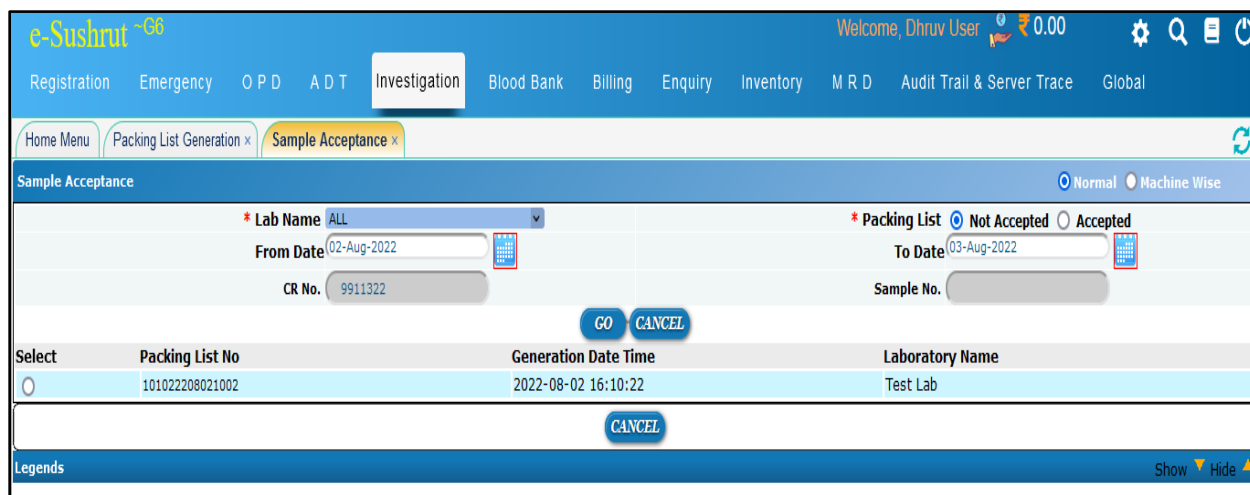


Figure 4.1

Select the records by clicking on the checkbox and Enter the **Lab Number**.

Click on” **Save**” button to save the details.

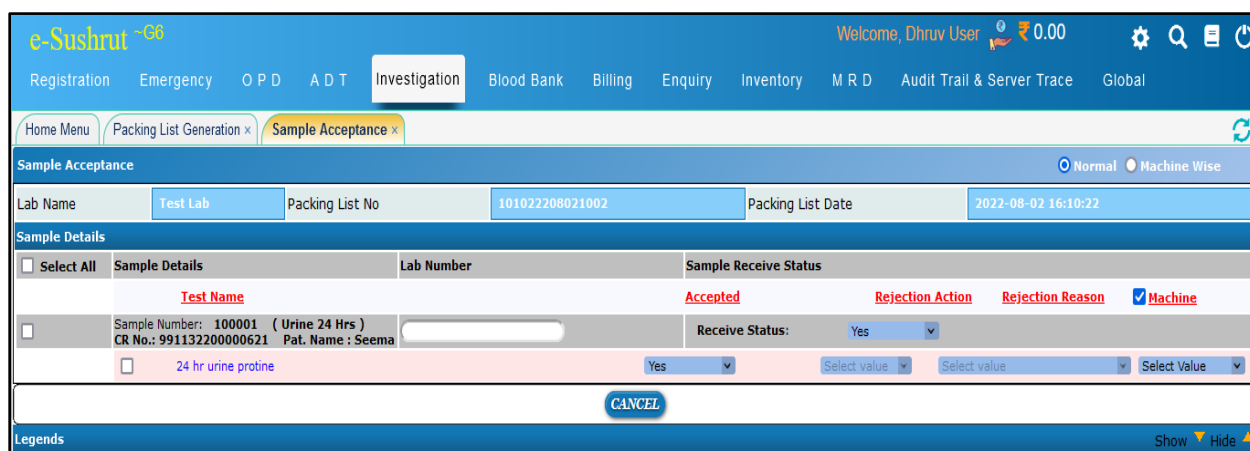


Figure 4.2

Samples Accepted Confirmation message is displayed on the screen.

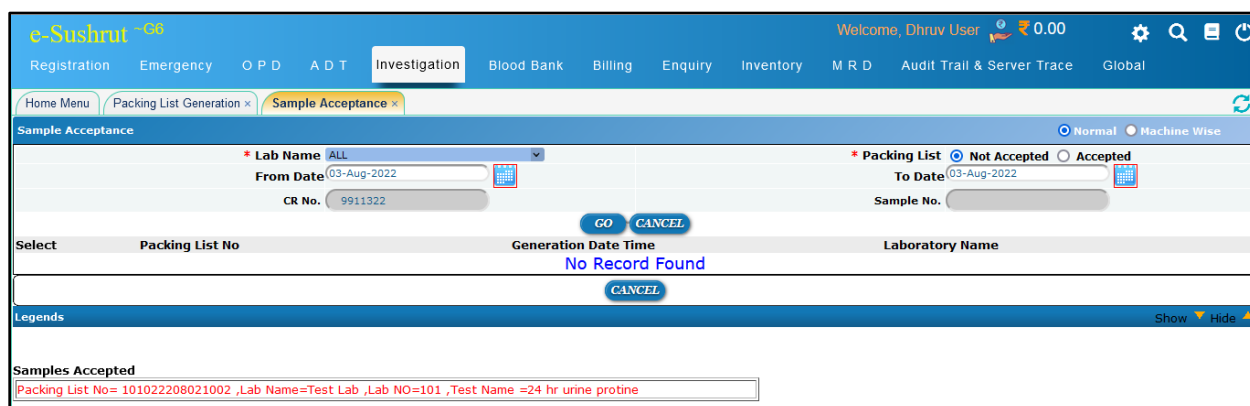


Figure 4.3

## 5. Patient Acceptance

**Path: Investigation→Services→Patient Acceptance**

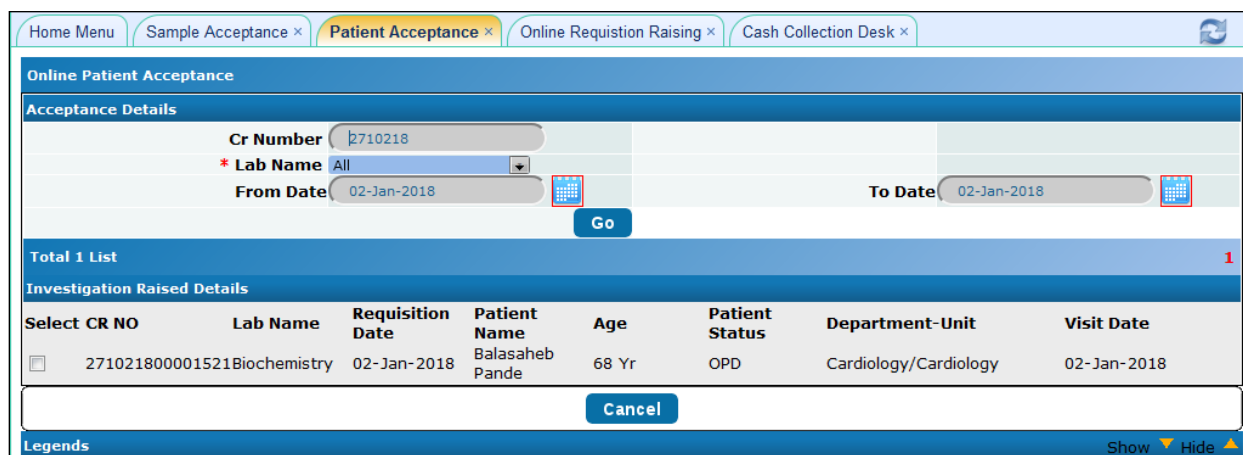
Select the “Patient Acceptance” to navigate to next screen.



Figure 5.0



Select the “**Lab Name**” from respective dropdown list, and *Click on Go* button to fetch the details.



Online Patient Acceptance

Acceptance Details

Cr Number 2710218

\* Lab Name All

From Date 02-Jan-2018 To Date 02-Jan-2018

Go

Total 1 List 1

Investigation Raised Details

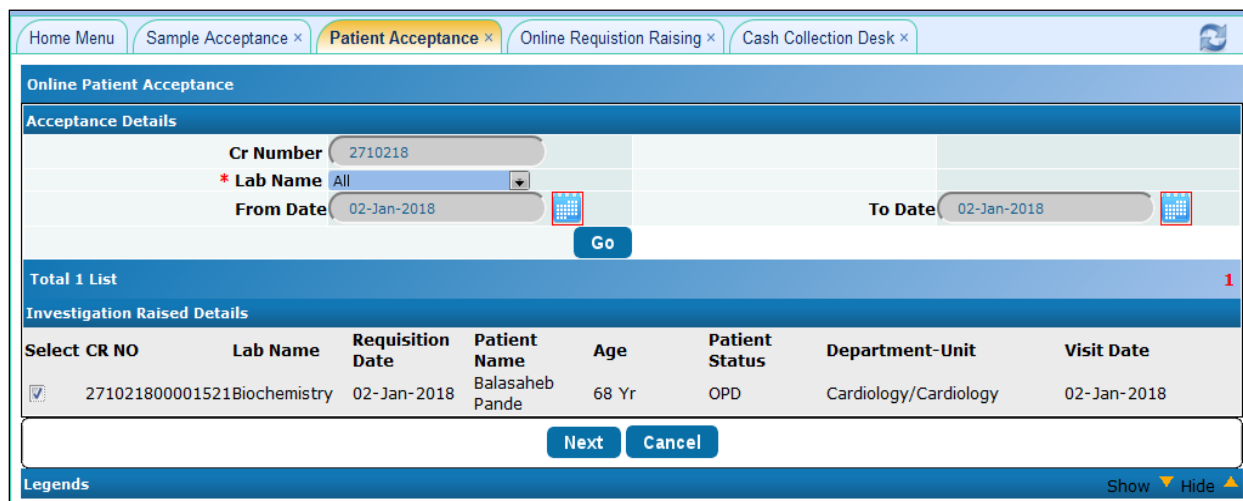
Select CR NO	Lab Name	Requisition Date	Patient Name	Age	Patient Status	Department-Unit	Visit Date
<input type="checkbox"/> 271021800001521	Biochemistry	02-Jan-2018	Balasaheb Pande	68 Yr	OPD	Cardiology/Cardiology	02-Jan-2018

Cancel

Legends Show Hide

Figure 5.1

Select check box button corresponding to the record. *Click on Next* button.



Online Patient Acceptance

Acceptance Details

Cr Number 2710218

\* Lab Name All

From Date 02-Jan-2018 To Date 02-Jan-2018

Go

Total 1 List 1

Investigation Raised Details

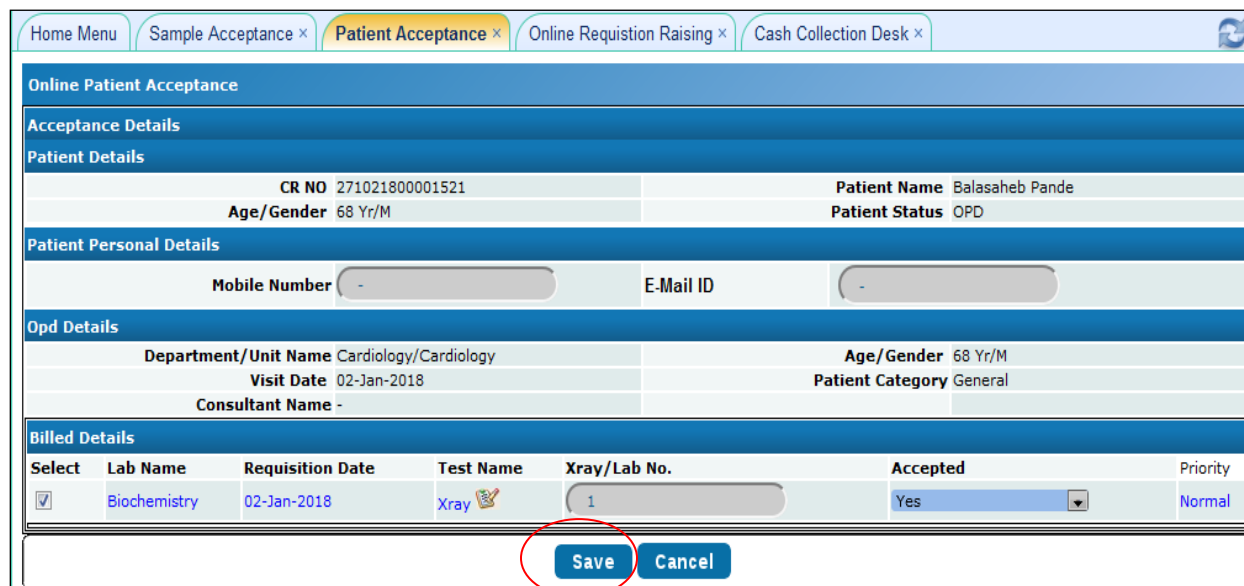
Select CR NO	Lab Name	Requisition Date	Patient Name	Age	Patient Status	Department-Unit	Visit Date
<input checked="" type="checkbox"/> 271021800001521	Biochemistry	02-Jan-2018	Balasaheb Pande	68 Yr	OPD	Cardiology/Cardiology	02-Jan-2018

Next Cancel

Legends Show Hide

Figure 5.2

Select the record by clicking on the checkbox and Enter the **Lab number**. If sample is accepted, Click on “Yes” otherwise Click on “No” from the **Accepted** dropdowns. Click on **Save** button.



**Online Patient Acceptance**

**Acceptance Details**

**Patient Details**

CR NO: 271021800001521 Patient Name: Balasaheb Pande  
 Age/Gender: 68 Yr/M Patient Status: OPD

**Patient Personal Details**

Mobile Number: E-Mail ID:

**Opd Details**

Department/Unit Name: Cardiology/Cardiology Age/Gender: 68 Yr/M  
 Visit Date: 02-Jan-2018 Patient Category: General  
 Consultant Name: -

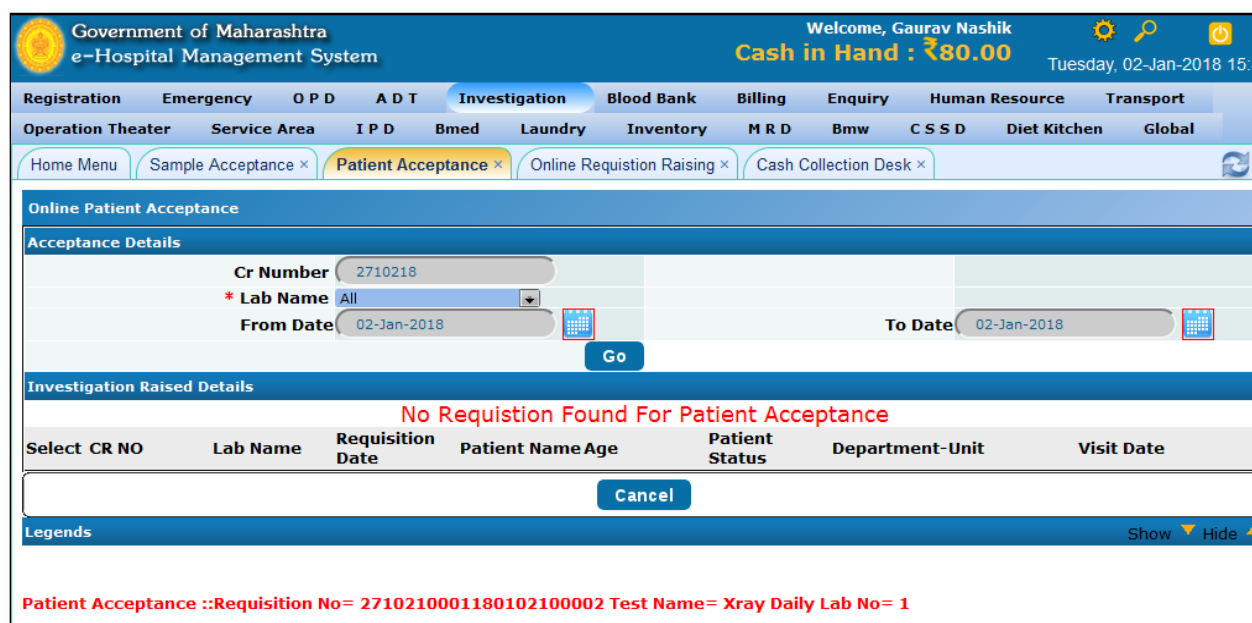
**Billed Details**

Select	Lab Name	Requisition Date	Test Name	Xray/Lab No.	Accepted	Priority
<input checked="" type="checkbox"/>	Biochemistry	02-Jan-2018	Xray	1	Yes	Normal

**Save** **Cancel**

Figure 5.3

Patient Acceptance Confirmation message is displayed on the above screen.



**Government of Maharashtra e-Hospital Management System**

Welcome, Gaurav Nashik  
 Cash in Hand : ₹80.00  
 Tuesday, 02-Jan-2018 15:00

**Registration Emergency OPD ADT Investigation Blood Bank Billing Enquiry Human Resource Transport**

**Operation Theater Service Area IPD Bmed Laundry Inventory MRD Bmw CSSD Diet Kitchen Global**

**Online Patient Acceptance**

**Acceptance Details**

Cr Number: 2710218  
 \* Lab Name: All  
 From Date: 02-Jan-2018 To Date: 02-Jan-2018  
**Go**

**Investigation Raised Details**

**No Requisition Found For Patient Acceptance**

Select	CR NO	Lab Name	Requisition Date	Patient Name	Age	Patient Status	Department-Unit	Visit Date
<b>Cancel</b>								

**Legends** Show Hide

**Patient Acceptance ::Requisition No= 2710210001180102100002 Test Name= Xray Daily Lab No= 1**

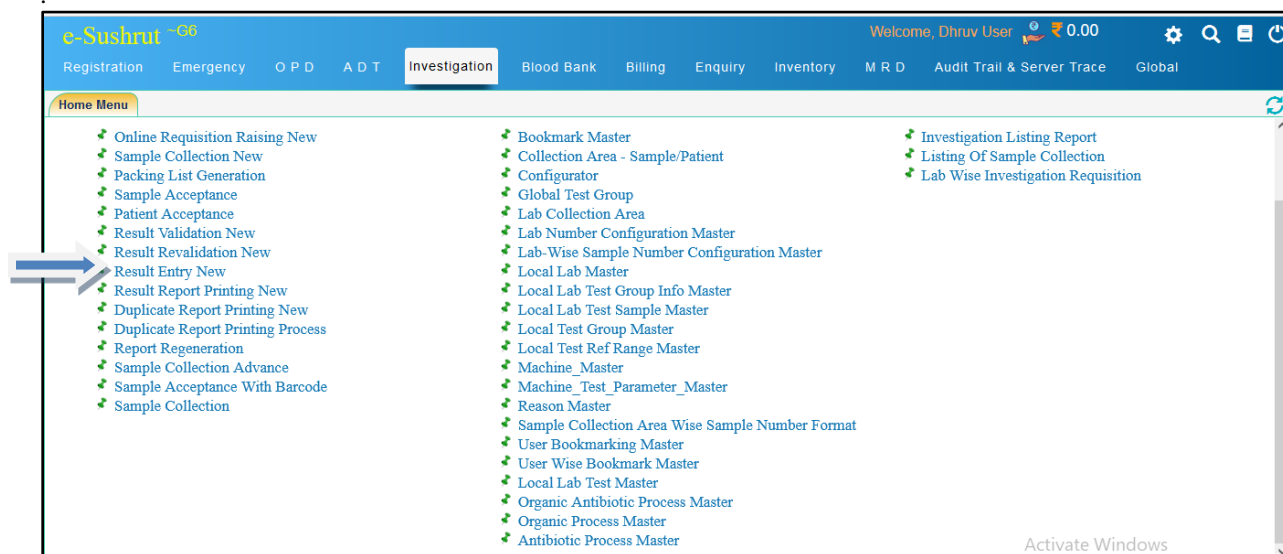
Figure 5.4

## 6. Result Entry

**Path: Investigation→Services→Result Entry**

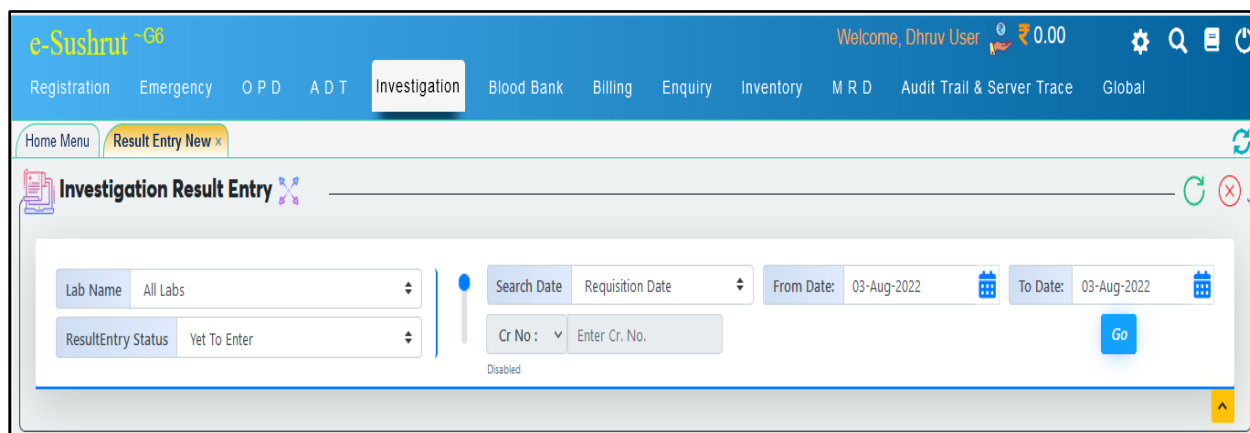
Select the “**Result Entry**” to navigate to next screen.

0



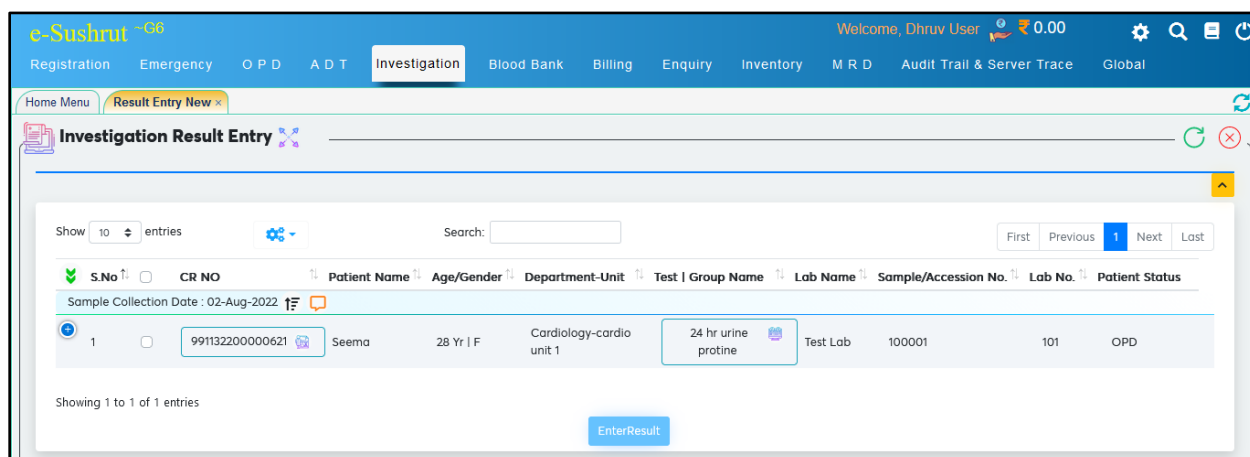
**Figure 6.0**

Select the “**Lab Name**” from respective dropdown list and **Click on Go** button to fetch the details.



**Figure 6.1**

Select the record by clicking on checkbox. Click on 'Enter Results' button.

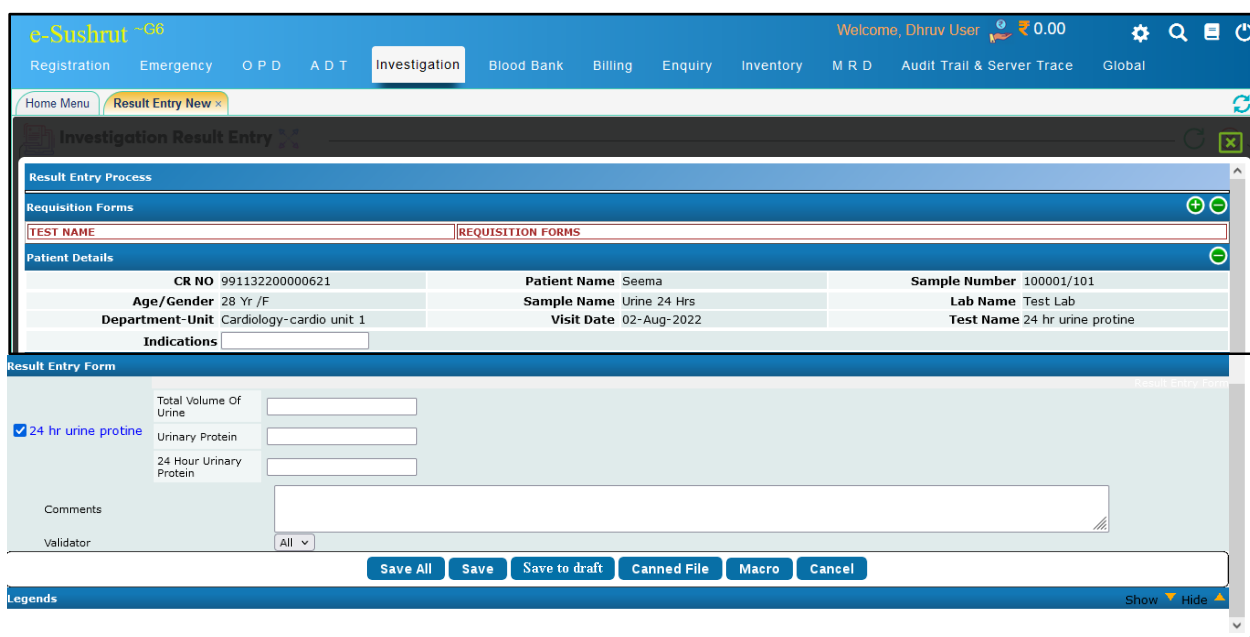


The screenshot shows the 'Investigation Result Entry' interface. At the top, there's a navigation bar with 'Investigation' selected. Below it, a search bar and a table of results are visible. The table has columns for S.No, CR NO, Patient Name, Age/Gender, Department-Unit, Test / Group Name, Lab Name, Sample/Accession No., Lab No., and Patient Status. One entry is shown for '24 hr urine protine' with CR NO 991132200000621, Patient Name Seema, Age/Gender 28 Yr | F, Department-Unit Cardiology-cardio unit 1, Lab Name Test Lab, Sample/Accession No. 100001, Lab No. 101, and Patient Status OPD. A checkbox next to the S.No is checked. The 'EnterResult' button is at the bottom right.

Figure 6.2

Select the record by clicking on check box.

Enter the **Result value** and Click on **Save** button to save the details.



The screenshot shows the 'Result Entry Form' for the '24 hr urine protine' test. The form is divided into sections: 'Requisition Forms' (with a table for TEST NAME and REQUISITION FORMS), 'Patient Details' (with fields for CR NO, Patient Name, Sample Number, Age/Gender, Sample Name, Lab Name, Department-Unit, Visit Date, and Test Name), and 'Indications'. Below these, there's a 'Result Entry Form' section with fields for 'Total Volume Of Urine', 'Urinary Protein', and '24 Hour Urinary Protein'. The '24 hr urine protine' checkbox is checked. There's also a 'Comments' field and a 'Validator' dropdown. At the bottom, there are buttons for 'Save All', 'Save', 'Save to draft', 'Canned File', 'Macro', and 'Cancel'.

Figure 6.3

You can able to see the Confirmation message which is displayed on the screen.

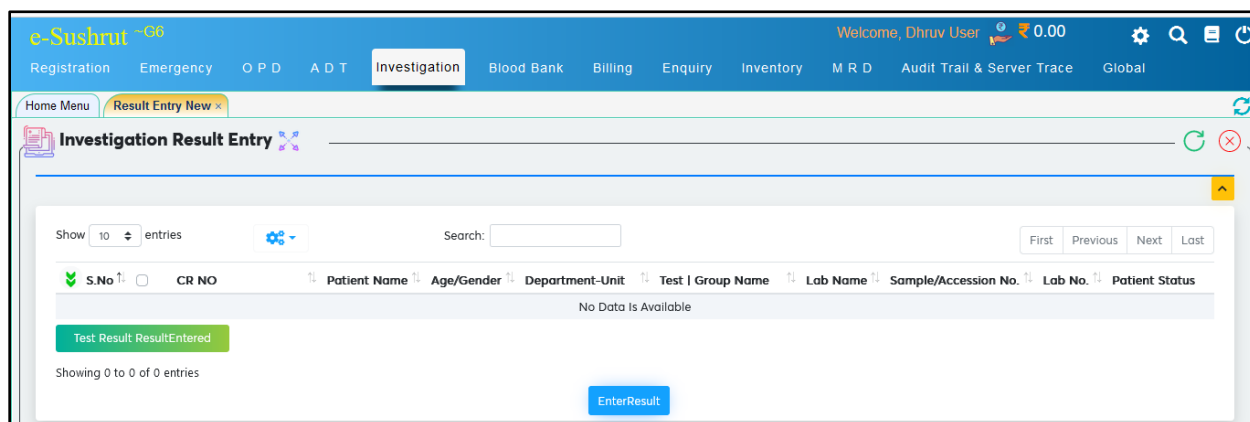


Figure 6.4

## 7. Result Validation

**Path: Investigation→Services→Result Validation**

Click on “Result Validation” to navigate to next screen.

F

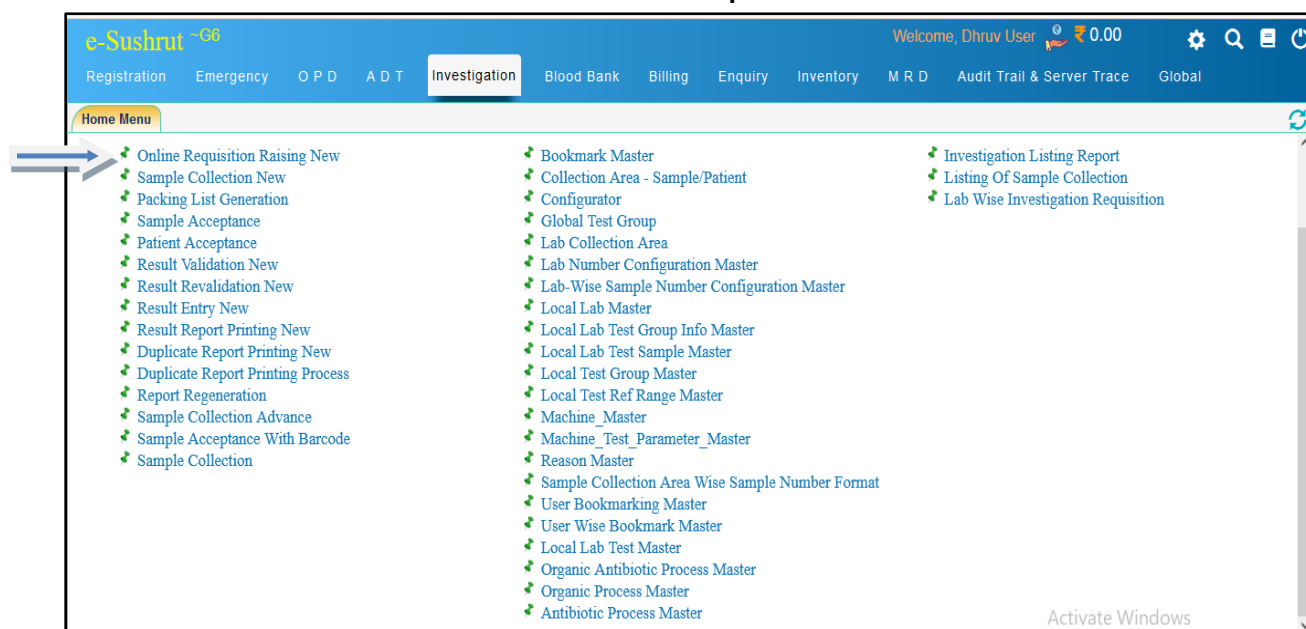


figure 7.0



Select the “**Lab Name**” from respective dropdown list, and Click on **Go** button to fetch the details.

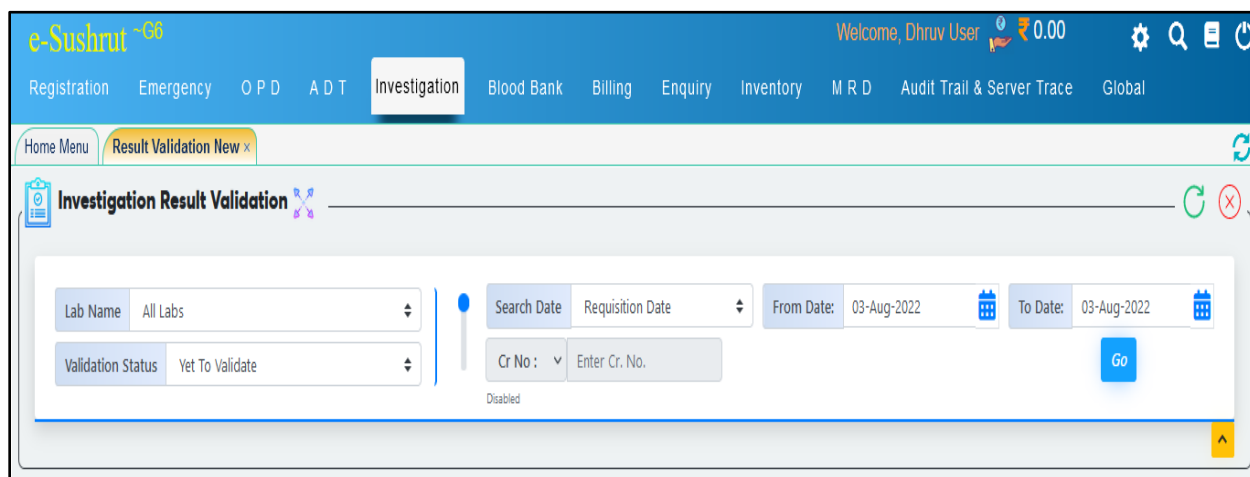


Figure 7.1

Select check box button corresponding to the record. Click on ‘**Save & Validate**’ button.

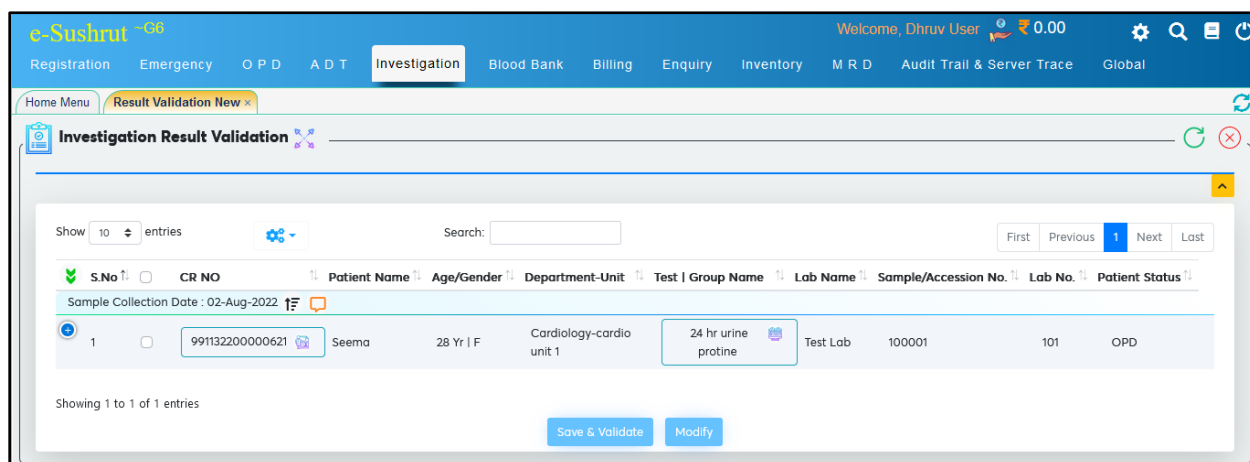


Figure 7.2

**Note:** In case user wish to modify the existing result then Select the ‘**Modify**’ button. Otherwise Click on ‘**Save & Validate**’ button to complete the process.

Result Validation confirmation message is displayed on the screen.

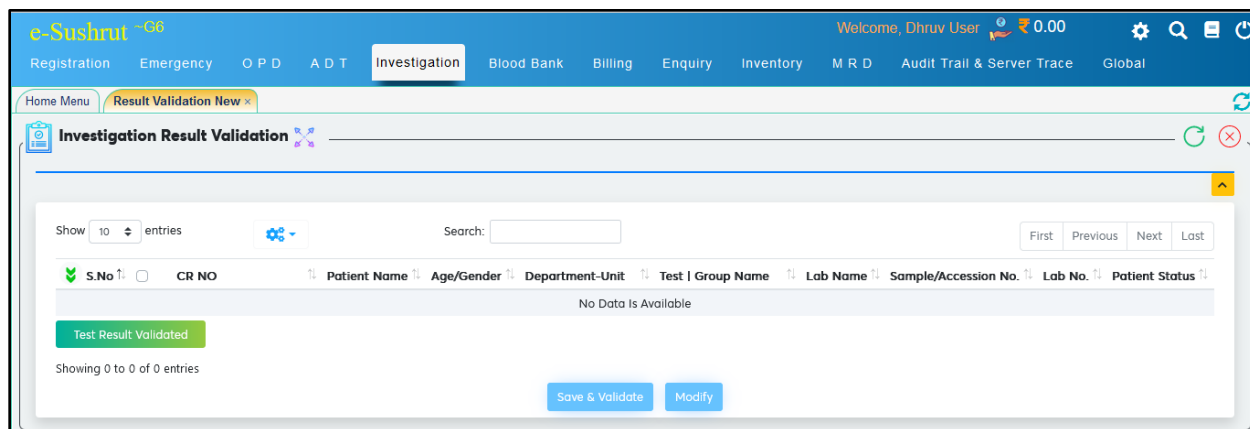


Figure 7.3

## 8. Result Report Printing

**Path: Investigation→Service→Result Report Printing**

Click on “Result Report Printing” to navigate to next screen.

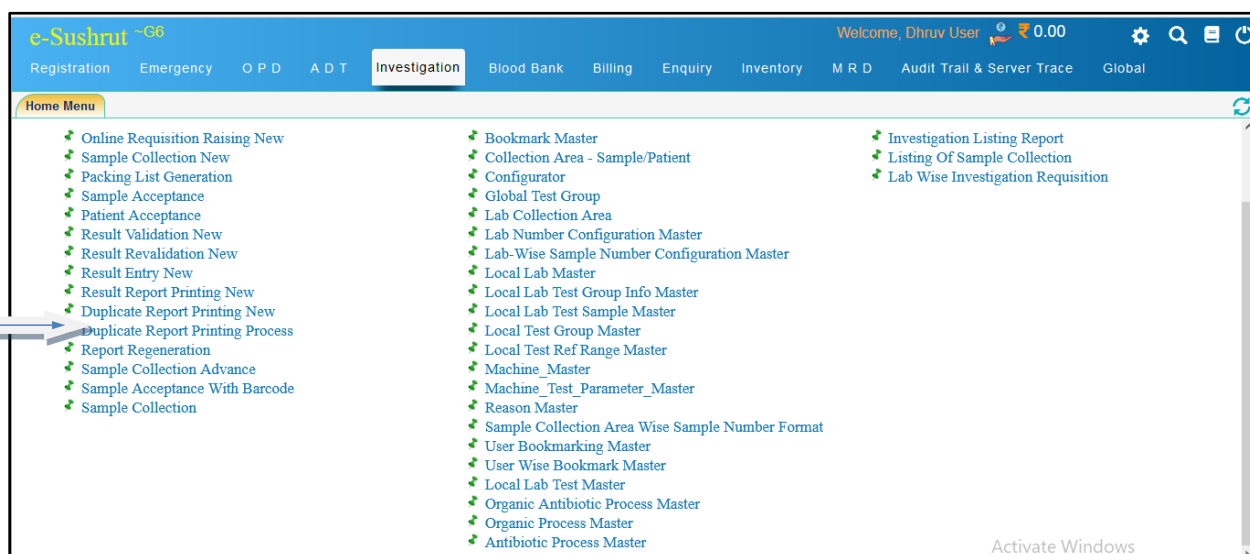
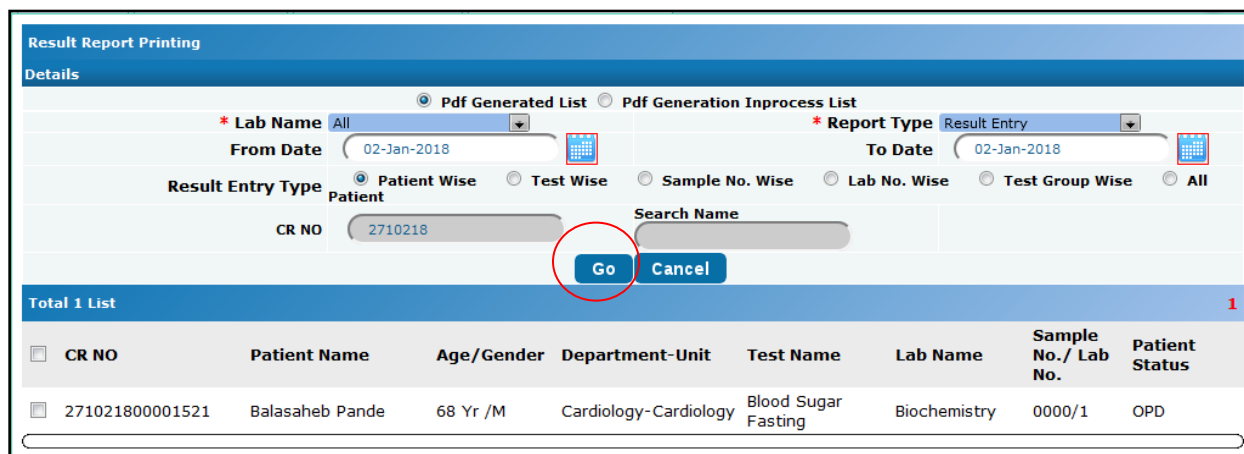


Figure 8.0

Select the “**Lab Name**” from dropdown list. Select the **From Date** & **To Date** from the calendar.

Click on **Go** button to fetch the details.



**Result Report Printing**  
Details

☒ Pdf Generated List ☐ Pdf Generation Inprocess List

\* Lab Name: All  \* Report Type: Result Entry

From Date: 02-Jan-2018  To Date: 02-Jan-2018

Result Entry Type: ☒ Patient Wise ☐ Test Wise ☐ Sample No. Wise ☐ Lab No. Wise ☐ Test Group Wise ☐ All

CR NO: 2710218  Search Name:

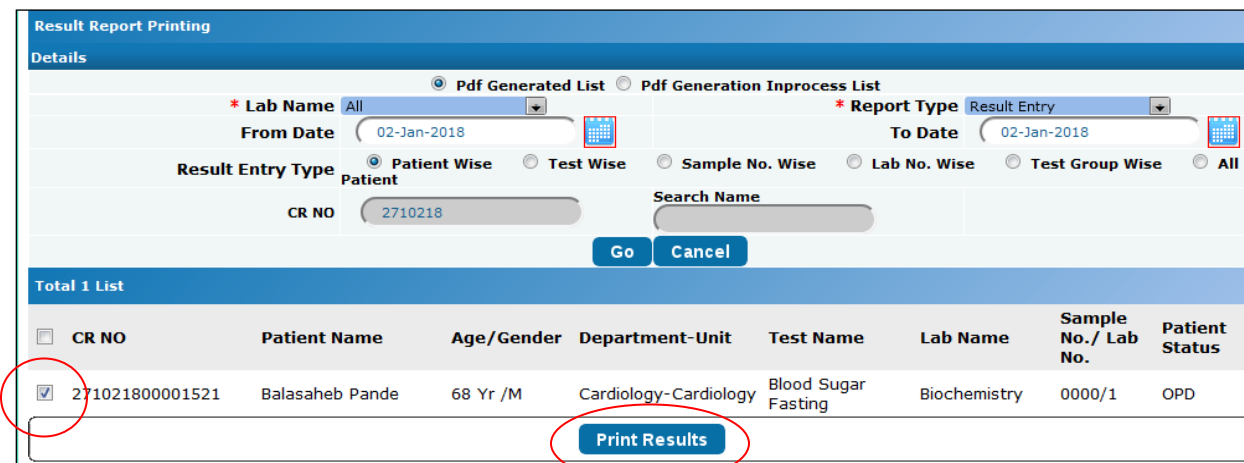
**Go** **Cancel**

Total 1 List

CR NO	Patient Name	Age/Gender	Department-Unit	Test Name	Lab Name	Sample No./ Lab No.	Patient Status
271021800001521	Balasaheb Pande	68 Yr /M	Cardiology-Cardiology	Blood Sugar Fasting	Biochemistry	0000/1	OPD

Figure 8.1

Select check box button corresponding to the record and click on “**Print Results**” button.



**Result Report Printing**  
Details

☒ Pdf Generated List ☐ Pdf Generation Inprocess List

\* Lab Name: All  \* Report Type: Result Entry

From Date: 02-Jan-2018  To Date: 02-Jan-2018

Result Entry Type: ☒ Patient Wise ☐ Test Wise ☐ Sample No. Wise ☐ Lab No. Wise ☐ Test Group Wise ☐ All

CR NO: 2710218  Search Name:

**Go** **Cancel**

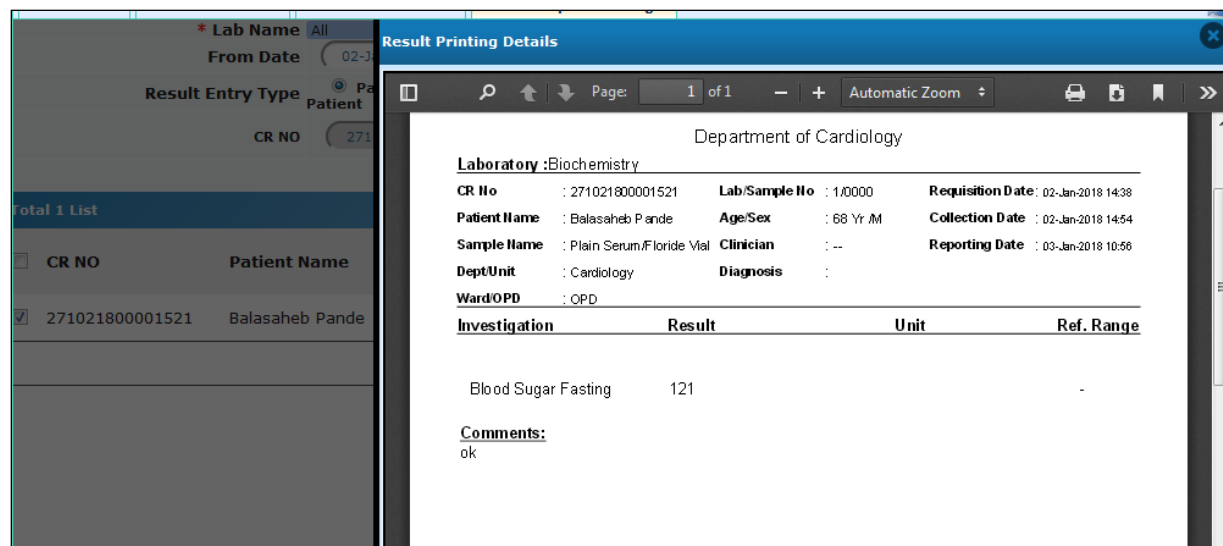
Total 1 List

CR NO	Patient Name	Age/Gender	Department-Unit	Test Name	Lab Name	Sample No./ Lab No.	Patient Status
<input checked="" type="checkbox"/> 271021800001521	Balasaheb Pande	68 Yr /M	Cardiology-Cardiology	Blood Sugar Fasting	Biochemistry	0000/1	OPD

**Print Results**

Figure 8.2

User can view/print the “Result Report Printing” report as shown below.



**Result Printing Details**

Department of Cardiology

**Laboratory:** Biochemistry

**CR No** : 271021800001521    **Lab/Sample No** : 1,0000    **Requisition Date** : 02-Jan-2018 14:38

**Patient Name** : Balasaheb Pande    **Age/Sex** : 68 Yr. M    **Collection Date** : 02-Jan-2018 14:54

**Sample Name** : Plain Serum/Fluoride Vial    **Clinician** : --    **Reporting Date** : 03-Jan-2018 10:56

**Dept/Unit** : Cardiology    **Diagnosis** : --

**Ward/OPD** : OPD

Investigation	Result	Unit	Ref. Range
Blood Sugar Fasting	121		-

**Comments:**  
ok

Figure 8.3

## 9. Duplicate Card Printing Process

**Path:** Investigation→Services→Duplicate Card Printing Process

Click on “Duplicate Card Printing Process” to navigate to next

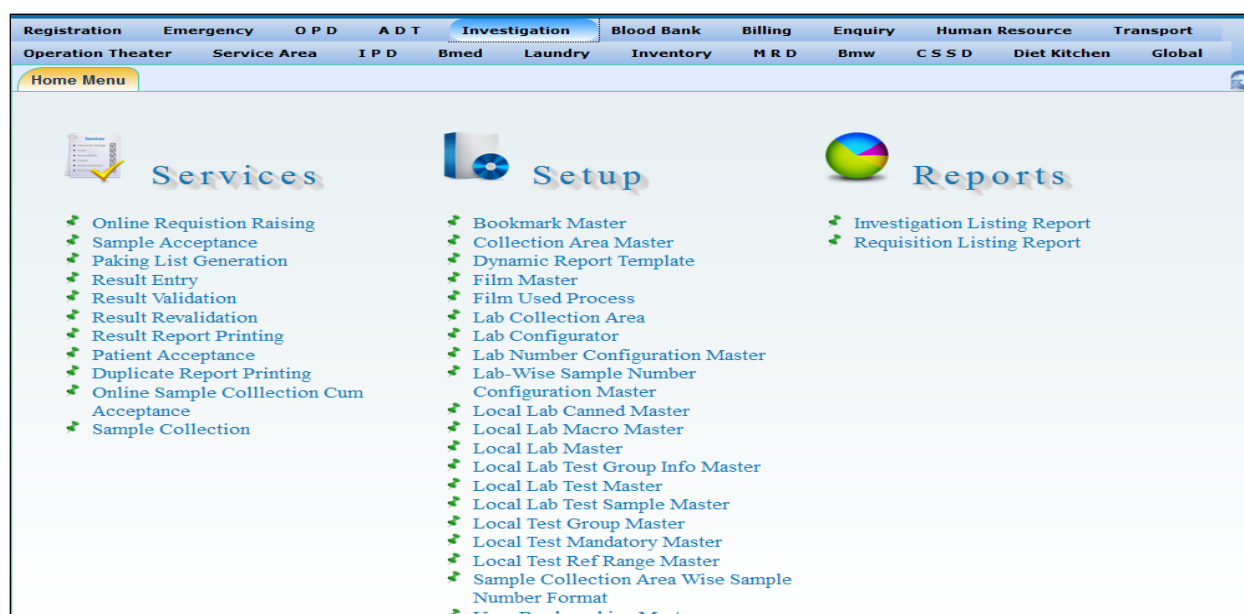
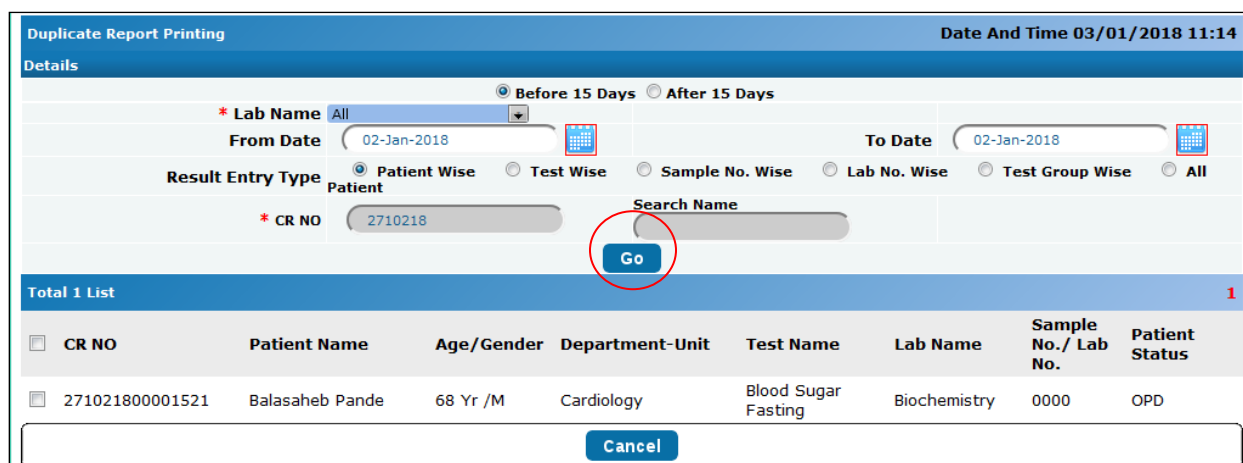


Figure 9.0

Select the “Lab Name” from respective dropdown list, and Enter CR Number. Click on Go button to fetch the details.



**Duplicate Report Printing** Date And Time 03/01/2018 11:14

**Details**

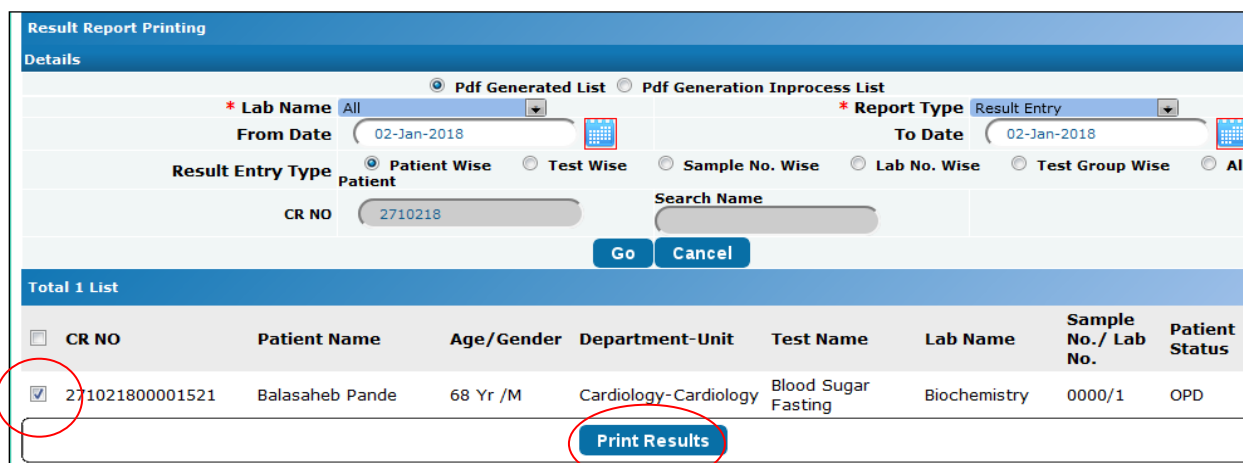
☒ Before 15 Days ☐ After 15 Days  
 \* Lab Name: All  
 From Date: 02-Jan-2018 To Date: 02-Jan-2018  
 Result Entry Type: ☒ Patient Wise ☐ Test Wise ☐ Sample No. Wise ☐ Lab No. Wise ☐ Test Group Wise ☐ All  
 \* CR NO: 2710218 Search Name:

**Total 1 List** 1

CR NO	Patient Name	Age/Gender	Department-Unit	Test Name	Lab Name	Sample No./ Lab No.	Patient Status
271021800001521	Balasaheb Pande	68 Yr /M	Cardiology	Blood Sugar Fasting	Biochemistry	0000	OPD

Figure 9.1

Select check box button corresponding to the record. Click on “Print results” button.



**Result Report Printing**

**Details**

☒ Pdf Generated List ☐ Pdf Generation Inprocess List  
 \* Lab Name: All \* Report Type: Result Entry  
 From Date: 02-Jan-2018 To Date: 02-Jan-2018  
 Result Entry Type: ☒ Patient Wise ☐ Test Wise ☐ Sample No. Wise ☐ Lab No. Wise ☐ Test Group Wise ☐ All  
 CR NO: 2710218 Search Name:

**Total 1 List**

CR NO	Patient Name	Age/Gender	Department-Unit	Test Name	Lab Name	Sample No./ Lab No.	Patient Status
<input checked="" type="checkbox"/> 271021800001521	Balasaheb Pande	68 Yr /M	Cardiology-Cardiology	Blood Sugar Fasting	Biochemistry	0000/1	OPD

Figure 9.2