

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

1/23/2024

LABORATORY INFORMATION SYSTEM

Lab Validation Document

Several thin, curved lines in dark blue and light grey originate from the bottom left and sweep upwards and to the right.

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25/01/2024

VALIDATION REPORT

To,
KLES Dr. Prabhakar Kore Hospital & MRC
NH Service Road, Nehru Nagar,
Belgaum- 590010.

This is to certify that the Laboratory Software developed by Sofscript Systems & Services Ltd is fully installed by our engineers at KLES Dr. Prabhakar Kore Hospital & MRC. This software is validated by us for all its features including software login, interfacing, authorization etc for proper functioning. All customization for the laboratory is also installed and validated by us. It is ready to use for operations.

For Sofscript Systems & Services Ltd,


Authorized Signatory



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LABORATORY INFORMATION SYSTEM

It is a system that focuses on sample management at the time of receipt, during registration, throughout the workflow process, and in storage or disposal. It additionally provides advanced data mining, automatic data validation, checks, and alert settings ensuring that data is captured correctly and is immediately accessible for analysis and reporting

Master

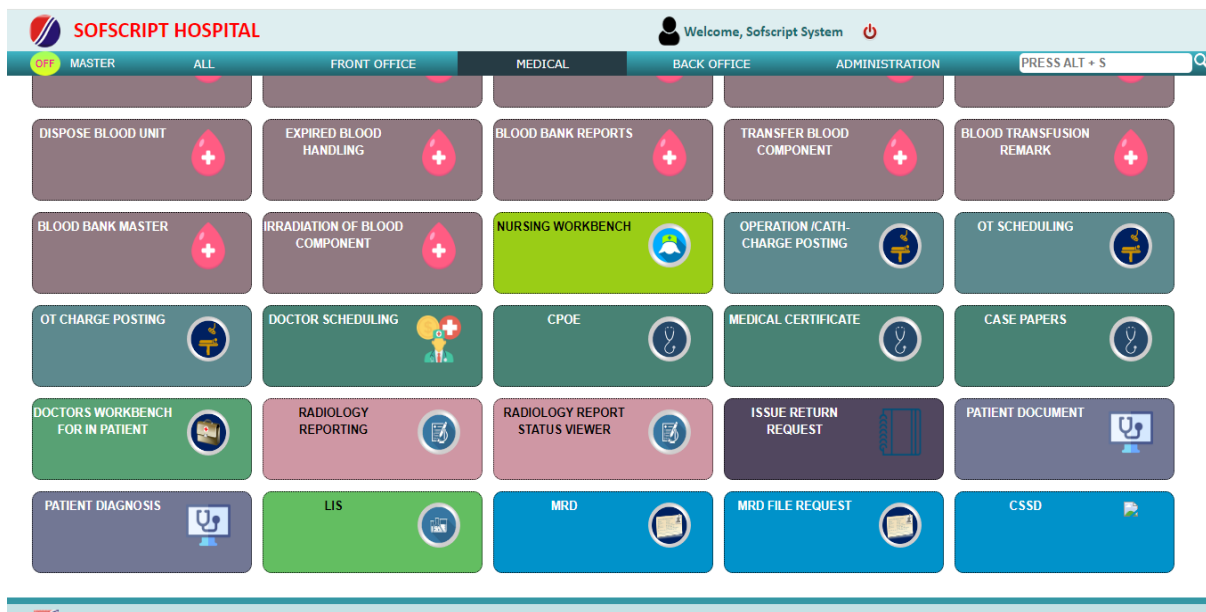
Login

Enter user ID and password



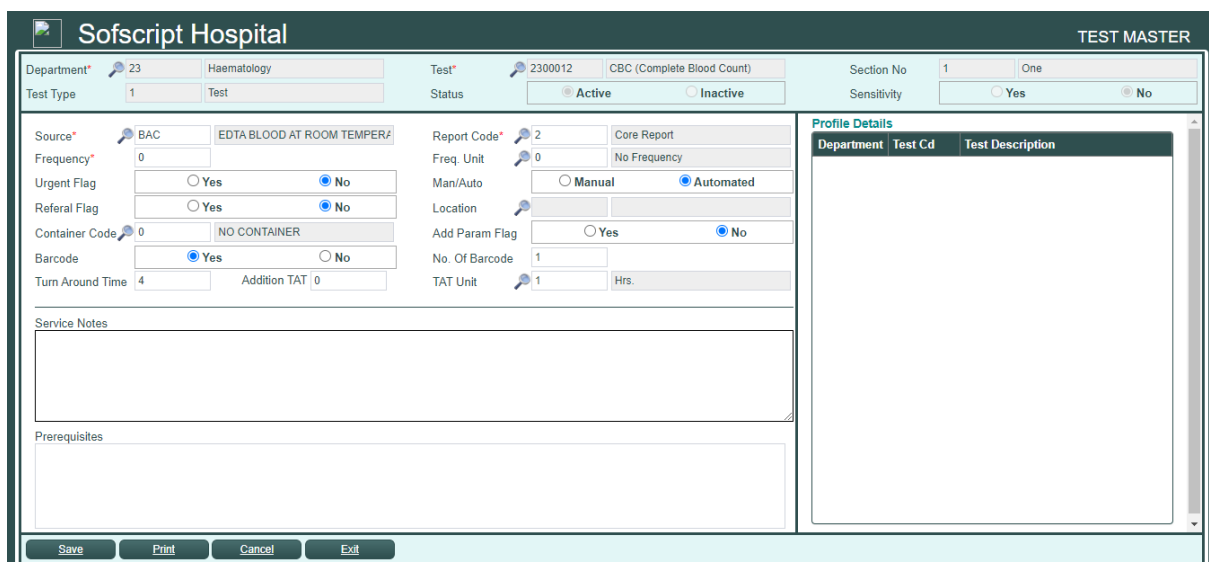
Medical → LIS

Click on LIS (Laboratory Information System)



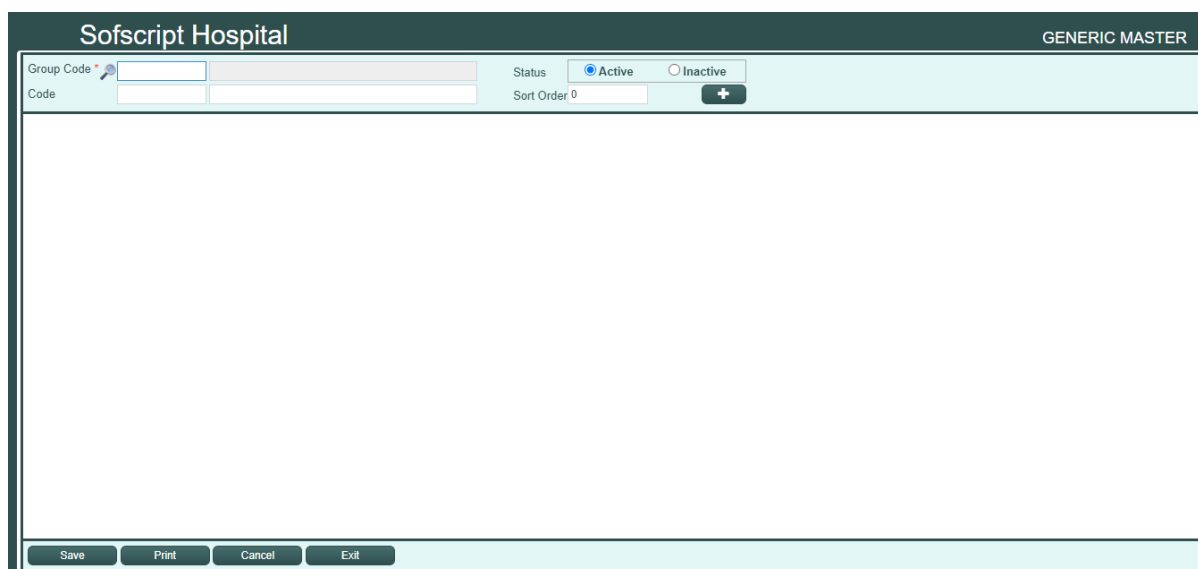


Test Master



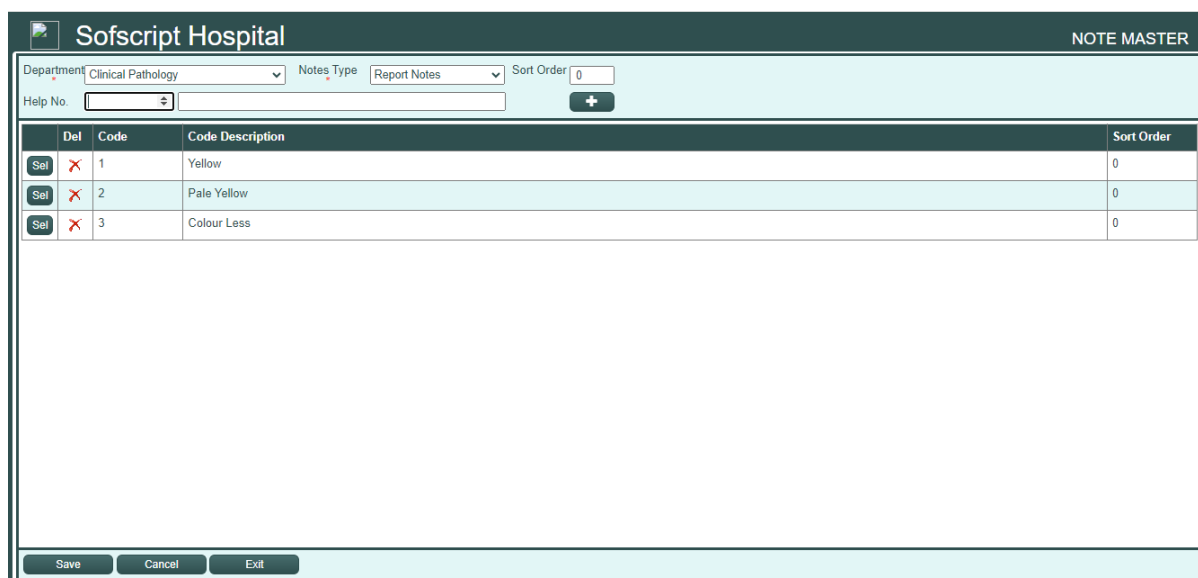
The test master is used to create or modify the tests performed within the laboratory for a particular department. Each test is identified by a unique test code. The user can select the laboratory department by pressing F2. The system displays a list of all departments. The user can select the department. Then the user can select a test by pressing F2. The system displays a list of all the tests created under that department. The user can select a test and the system displays all the information related to the test. The items marked as "*" are mandatory. The user can enter the description and the other attributes. The user can press F2 to display the help associated with the particular attribute.

Generic Master



There are a lot of masters within the LIS which have only a code and a description. These masters are grouped and created/modified through the generic master. Each master has a predefined Group Code. Group codes are not editable. The user can select the group code through the help by pressing F2 or by entering the group code manually. The system displays the group description and the masters which have been created for the group. In the screenshot you can see that the user has selected the group "Source" and the system has displayed all the sources already created in the system. The user can only modify the description of the master created earlier by pressing F2. The user can add a new source by entering a code. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the description. The display order is used for some specific masters in which they are to be displayed in a particular order. On clicking the "+" button the new record shall be added to the grid. The user can delete this record by clicking on the "X" button. Records already saved cannot be deleted. On save the master would be created and would be available in the appropriate programs.

Notes Master

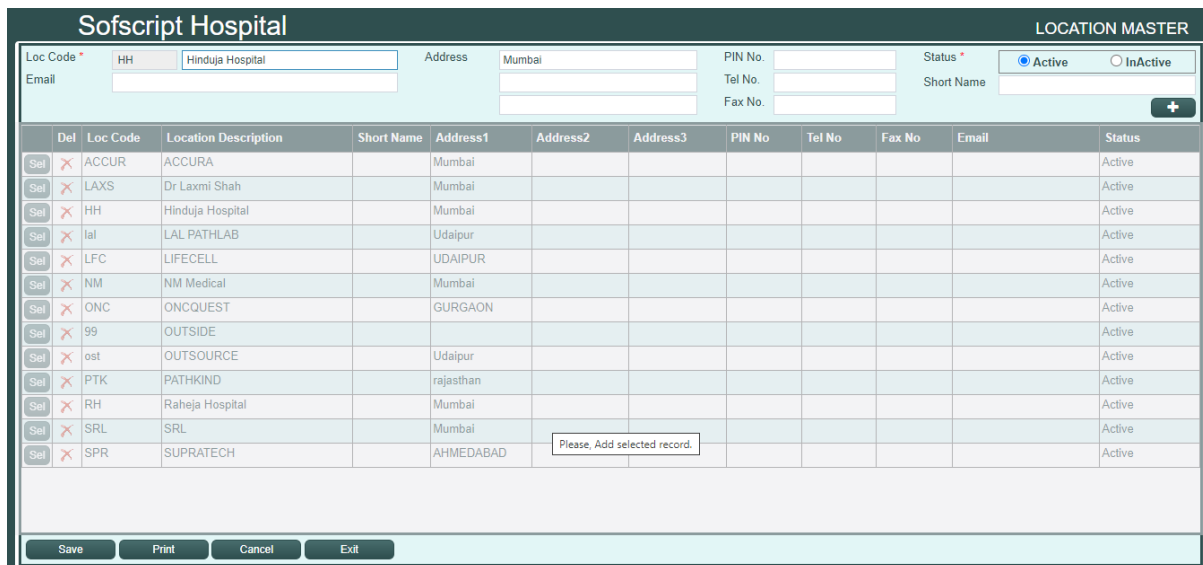


Del	Code	Code Description	Sort Order
<input type="checkbox"/>	1	Yellow	0
<input type="checkbox"/>	2	Pale Yellow	0
<input type="checkbox"/>	3	Colour Less	0

This screen is used to create different notes like Report notes, Technology notes, and Doctor notes for a particular department which is used in the reporting screen. The user can select the appropriate

department. Then select one of the 3 options: Report Notes, Technology Notes or Doctor Notes. The user can modify the description of the master created earlier. In the screenshot, you can see that the user has selected the notes to help under the Report Notes option for the clinical pathology department. The user can add the help of a new note by selecting the department and one of the 3 options. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the description. Then the next code no and the relevant note help description. On clicking the “+” button the new record shall be added to the grid. The user can delete this record by clicking on the “X” button. Records already saved cannot be deleted. On save the master would be created and would be available in the appropriate programs.

Location Master



Del	Loc Code	Location Description	Short Name	Address1	Address2	Address3	PIN No	Tel No	Fax No	Email	Status
<input checked="" type="checkbox"/>	ACCUR	ACCURA		Mumbai							Active
<input checked="" type="checkbox"/>	LAXS	Dr Laxmi Shah		Mumbai							Active
<input checked="" type="checkbox"/>	HH	Hinduja Hospital		Mumbai							Active
<input checked="" type="checkbox"/>	lal	LAL PATHLAB		Udaipur							Active
<input checked="" type="checkbox"/>	LFC	LIFECELL		UDAIPUR							Active
<input checked="" type="checkbox"/>	NM	NM Medical		Mumbai							Active
<input checked="" type="checkbox"/>	ONC	ONCQUEST		GURGAON							Active
<input checked="" type="checkbox"/>	99	OUTSIDE									Active
<input checked="" type="checkbox"/>	ost	OUTSOURCE		Udaipur							Active
<input checked="" type="checkbox"/>	PTK	PATHKIND		rajasthan							Active
<input checked="" type="checkbox"/>	RH	Raheja Hospital		Mumbai							Active
<input checked="" type="checkbox"/>	SRL	SRL		Mumbai							Active
<input checked="" type="checkbox"/>	SPR	SUPRATECH		AHMEDABAD							Active

This screen is used to create a new location within the LIS. The location specifies where the sample is received from. The user can select the location type from the list. The location types are either Inpatient / Outpatient / Other. The user can select an existing location for modification by clicking the select button and selecting the location. The user can add a new location by entering a code. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the location name, address etc. for the location. The ordering location is shown on the laboratory reports. On clicking the “+” button the new record shall be added to the grid. The user can delete this record by clicking on the “X” button. Records already saved cannot be deleted. On save the master would be created and would be available in the appropriate programs for sending tests to an outside lab.

Barcode Master

Sofscript Hospital
BARCODE MASTER

Barcode
Column Alias Name
+

Del	Code	Barcode Description	Column Alias Name
<input checked="" type="checkbox"/>	1	sampleno	sampleno
<input checked="" type="checkbox"/>	10	patttype	patttype
<input checked="" type="checkbox"/>	11	createdt	createdt
<input checked="" type="checkbox"/>	12	WardName	WardName
<input checked="" type="checkbox"/>	2	chrg_dcd	chrg_dcd
<input checked="" type="checkbox"/>	4	sampleno	sampleno
<input checked="" type="checkbox"/>	5	ptn_no	ptn_no
<input checked="" type="checkbox"/>	6	patname	patname
<input checked="" type="checkbox"/>	7	srcname	srcname
<input checked="" type="checkbox"/>	8	age	age
<input checked="" type="checkbox"/>	9	sex	sex

Save
Cancel
Exit

This master is used for the printing of barcode label details. Users can fix what details they want to print in the Lab Sample Label based on the configuration details that are printed.

Antibiotic Panel Master

Sofscript Hospital
ANTIBIOTIC PANEL MASTER

Panel ENTEROCOCCUS

Del	Antibiotic Code	Antibiotic Description	Sort
<input checked="" type="checkbox"/>	AMC	Amoxicillin/clavulanic acid	0
<input checked="" type="checkbox"/>	AM	Ampicillin	0
<input checked="" type="checkbox"/>	AS	Ampicillin/sulbactam	0
<input checked="" type="checkbox"/>	CRO	Ceftriaxone	0
<input checked="" type="checkbox"/>	GM	Gentamicin	0
<input checked="" type="checkbox"/>	IPM	Imipenem	0
<input checked="" type="checkbox"/>	LNZ	Linezolid	0
<input checked="" type="checkbox"/>	MEM	Meropenem	0
<input checked="" type="checkbox"/>	OX1	Oxacillin	0
<input checked="" type="checkbox"/>	COT	Trimethoprim/sulfamethoxazole	0
<input checked="" type="checkbox"/>	VA	Vancomycin	0

Search
☐ Select All ☐ Invert Selection

Sel	Antibiotic Code	Antibiotic Description
<input type="checkbox"/>	AK	Amikacin
<input type="checkbox"/>	AN	Amikacin
<input type="checkbox"/>	AMC	Amoxicillin/clavulanic acid
<input type="checkbox"/>	AMPB	Amphotericin b
<input type="checkbox"/>	AMP	Ampicillin
<input type="checkbox"/>	AM	Ampicillin
<input type="checkbox"/>	AS	Ampicillin/sulbactam
<input type="checkbox"/>	AZM	Azithromycin
<input type="checkbox"/>	ATM	Aztreonam
<input type="checkbox"/>	BC	Bacitracin
<input type="checkbox"/>	CAS	Caspofungin
<input type="checkbox"/>	CPM	Cefepime
<input type="checkbox"/>	FEP	Cefepime
<input type="checkbox"/>	CXZ	cefixime
<input type="checkbox"/>	CFM	Cefixime
<input type="checkbox"/>	CPZ	Cefoperazone
<input type="checkbox"/>	SFP	Cefoperazone/sulbactam

Save
Print
Cancel
Exit

The user can create antibiotic panels which would be useful while reporting microbiology culture reports. The user can select an existing panel for modification by pressing F2 and selecting the panel. On entry, the system displays all the antibiotics assigned to the panel in the left-hand side table and on entire antibiotic list is in the right side table. The user can create a new Panel by entering a code. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the panel name select the antibiotics to be added to the panel from the right-hand side list and click on the "OK" button. The antibiotics selected are added to the left-hand side table. The user can delete this record by clicking on the "X" image. On save the master would be created and would be available in the appropriate program.

Organism Master

Sofscript Hospital
ORGANISM MASTER

Organism *
Panel

GRP CODE:

Antibiotic Code	Antibiotic Description
AK	Amikacin
AS	Ampicillin/sulbactam
CAC	Ceftazidime/clavulanic acid
CAZ	Ceftazidime
CIP	Ciprofloxacin
COT	Trimethoprim/sulfamethoxazole
CRO	Ceftriaxone
CS	Colistin
CTX	Cephalexime
CXM	Cefuroxime
CXZ	cefixime
DOR	Doripenem
FEP	Cefepime
FT	Nitrofurantoin
GM	Gentamicin

Save
Cancel
Exit

This screen is used to create a new organism and attach an antibiotic panel to the organism. The user can also attach a new panel to an existing organism. The user can select the organism by pressing F2 and selecting the organism from the help screen. The user can create a new organism by entering a code. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the organism name and then select the antibiotic panel. On save the master would be created and would be available in the appropriate programs. It is the mapping of organisms with antibiotics.

Help Master

Sofscript Hospital
HELP MASTER

Department *
Code

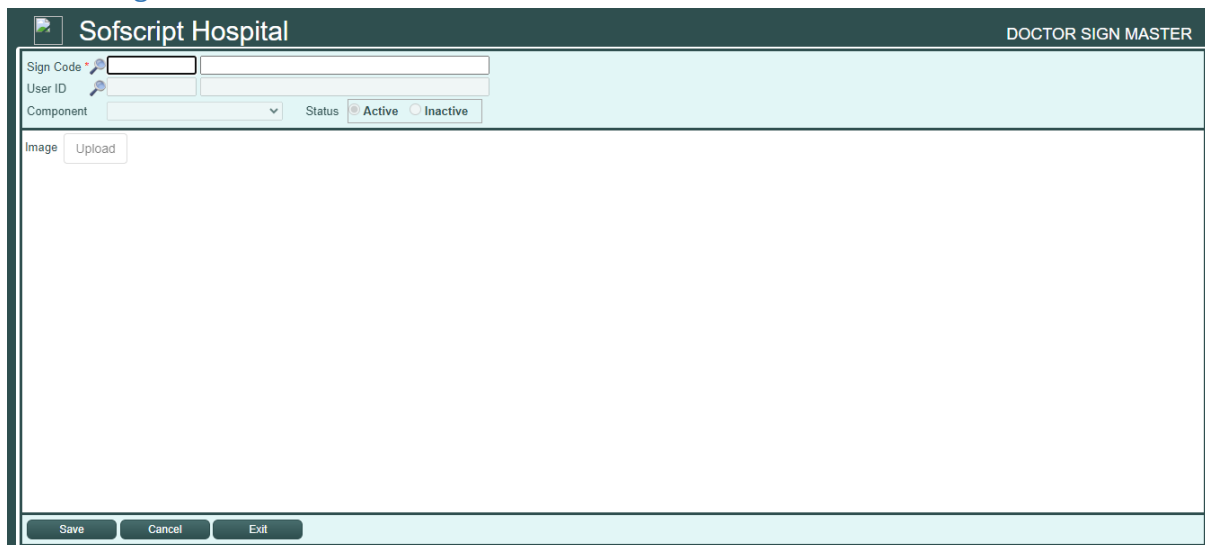
Help No. * Colour Sort Order

Del	Code	Code Description	Sort Order
<input type="button" value="Sel"/> <input type="button" value="X"/>	1	Grey	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	2	White	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	3	Red	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	5	Pale yellow	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	6	Reddish	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	7	Brownish Yellow	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	8	Dark Yellow	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	9	Light Yellow	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	10	Greyish whitish	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	11	Whitish	0
<input type="button" value="Sel"/> <input type="button" value="X"/>	4	Yellow	0

Save
Print
Cancel
Exit

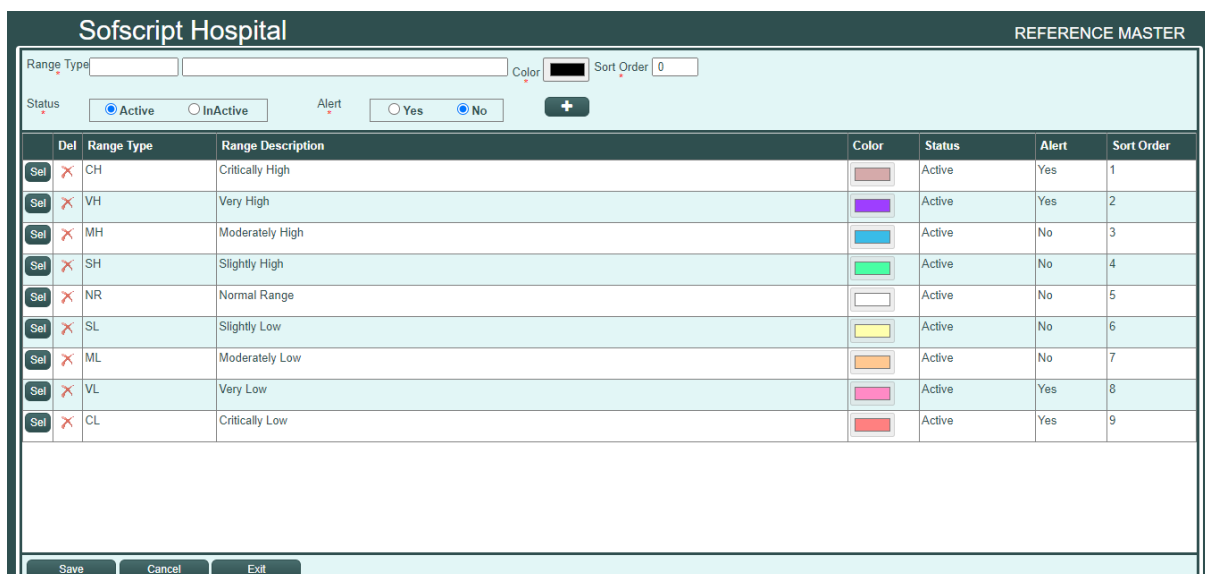
This screen is used to create a new help option for a particular component that is used in the reporting screen. The user can select the appropriate department and the Help no. The user can modify the description of the master created earlier by pressing F2. In the screenshot, you can see that the user has selected the help "Colour". The user can add a new help by entering a code. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the description. Then the next code no and the relevant help description. On clicking the "+" button the new record shall be added to the grid. The user can delete this record by clicking on the "X" button. If any records are saved then the system will not be allowed to delete the record. On save the master would be created and would be available in the appropriate programs.

Doctor Sign Master



This master is used for the uploading of doctor signs which get printed automatically on authorising the reports. The user can select an existing Sign Code and User Code by pressing F2 and selecting the particular Doctor/User. This can be added to that doctor's sign. A code doctor name doctor user ID and footer are selected and the sign is uploaded from a JPEG file.

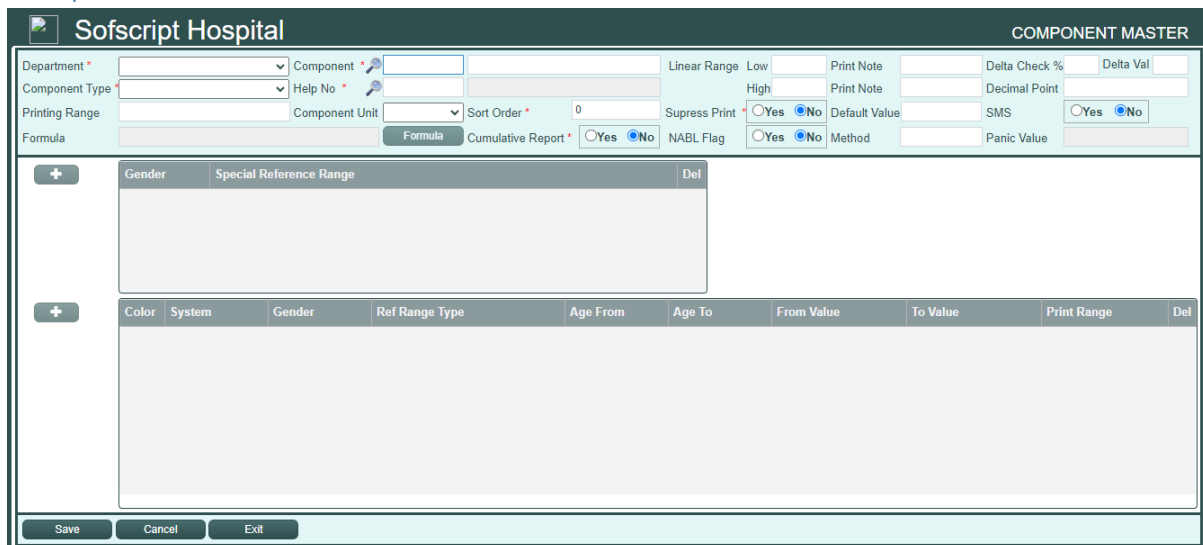
Reference Master



Del	Range Type	Range Description	Color	Status	Alert	Sort Order
<input checked="" type="checkbox"/>	CH	Critically High		Active	Yes	1
<input checked="" type="checkbox"/>	VH	Very High		Active	Yes	2
<input checked="" type="checkbox"/>	MH	Moderately High		Active	No	3
<input checked="" type="checkbox"/>	SH	Slightly High		Active	No	4
<input checked="" type="checkbox"/>	NR	Normal Range		Active	No	5
<input checked="" type="checkbox"/>	SL	Slightly Low		Active	No	6
<input checked="" type="checkbox"/>	ML	Moderately Low		Active	No	7
<input checked="" type="checkbox"/>	VL	Very Low		Active	Yes	8
<input checked="" type="checkbox"/>	CL	Critically Low		Active	Yes	9

This master is used for the indication of critical value in the different colour codes. Users/doctors can easily understand result severity. On clicking the "+" button the new record shall be added to the grid. The user can delete this record by clicking on the "X" button. If any records are saved then the system will not be allowed to delete the record. On save the master would be created and would be available in the appropriate programs.

Component Master



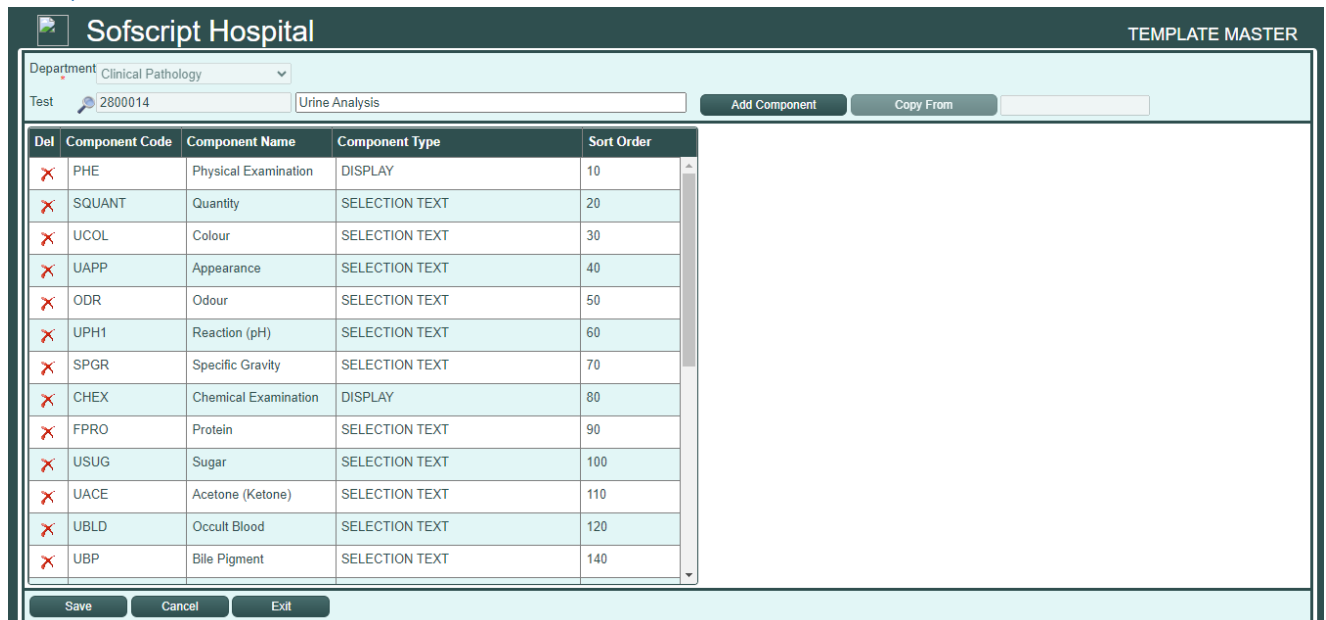
The component master is used to create or modify the components that are used to make a template for a particular department and test. Each component is identified by a component code. The user can select the laboratory department. Then the user can select a component by pressing F2. The system displays a list of all the components created under that department. The user can select a component and the system displays all the information related to the component. The items marked as “*” are mandatory. The user can enter the description and the other attributes (Explained in Table 1).

Table 1

Sr.No	Fields	Description
1.	Department	Laboratory department
2.	Component	Unique Code to identify each component under a particular department selected.
3.	Component Type	Whether the component is 1. Numeric: the user can enter only numeric values in the component 2. Multiple Selection: the user can enter multiple sentences or can use the help option by pressing F2 3. Selection Text: the user can enter a short sentence or can use the help option by pressing F2 4. Variable Text: the user can enter multiple sentences. 5. Formula: the user can enter the formula which will be calculated and shown on the component value. 6. Display: this type is used for display purposes in the report 7. Header: this type is used as a header in the report 8. Footer: this type is used as a footer in the report
4.	Component Unit	These are the measurement units.
5.	Help No	This is the help option that will be available during reporting. This help option will be created from the help master.
6.	Linear Range	The user can specify the reportable range for the component. If the reported value is beyond this reportable range the text specified in the print note is printed on the report based on whether the reported value is beyond the high or low linear range.
7.	Formula	Some component value depends on the calculation of other component values. The calculation can be set over here. On the reporting screen as well as on print the user will get the calculated value.
8.	Delta Check%	The value of the delta check is a % value. The system compares the current result with the last result previous result and if the difference is beyond the % value specified then the system indicates that the component has failed the delta check
9.	Delta Value	The value of the delta check is a value. The system compares the current result with the last result previous result and if the difference is beyond the value

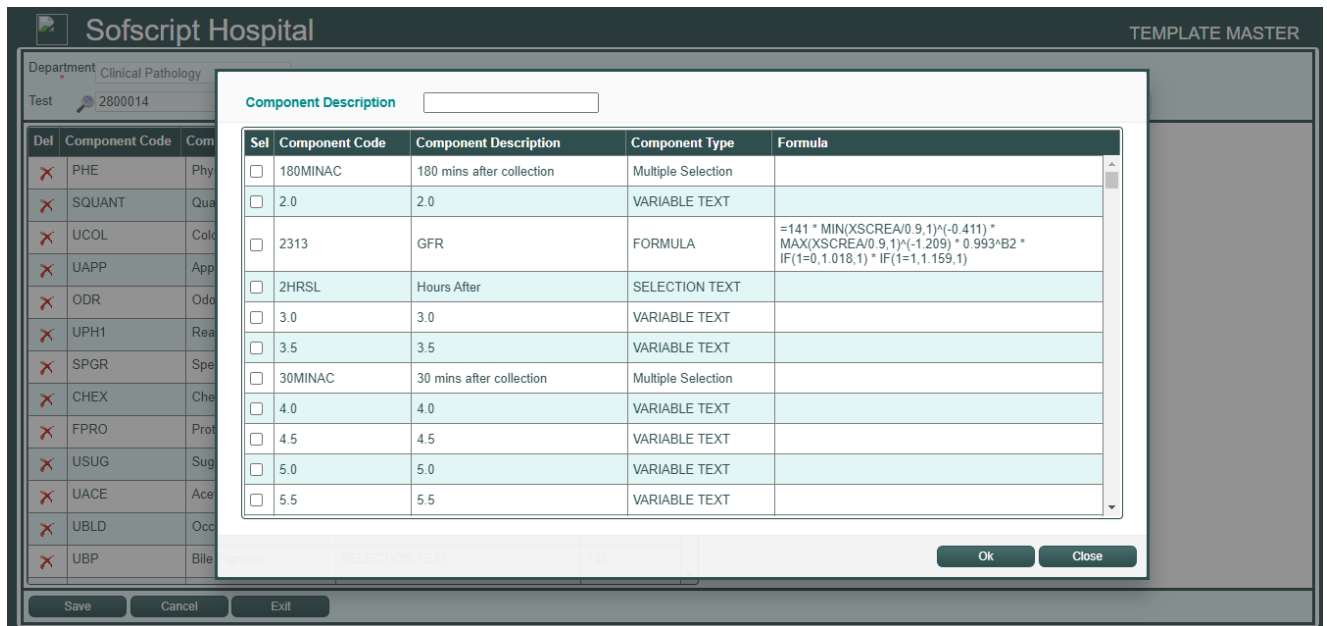
		specified then the system indicates that the component has failed the delta check
10.	Decimal Point	The value of the component on the reporting screen and print depends on the decimal point set over here.
11.	Sort Order	The order in which the components of the template of the test will be displayed is set over here.
12.	Printing Range	The range mentioned over here will be shown on the print under the reference range. This can be used when the component type is selection, multiple selection or variable text.
13.	Default Value	The value set over here will be shown on the reporting screen by default.
14.	Method	Method by which the test is performed which will be displayed on the print.
15.	NABL Flag	This option is just to indicate whether the test is NABL Accredited.
16.	Suppress Print	If this option is selected. The component will be shown on Reporting screen but will be suppressed on print.
17.	Cumulative	This option is checked so that the cumulative values of the component can be viewed.
18.	Special Range	U can set a special range for the component over here. By pressing the "+" button a row will be added. Select the gender and then write the special reference next to the gender. You can delete the row by pressing the "X" button.
19.	Normal Range	Here the normal range of the tests is set according to age and gender. By pressing the "+" button a row will be added and by pressing the "X" button a row will be deleted. Then by selecting adult (age > 1 year)/Paediatric (age < 1 year) enter from and to age normal low and normal high values, panic low and panic high values if required. Whatever is entered in the print range will be printed on the report and normal low and normal high values will be used for comparison. For Adult from and to age will be in years For Paediatric from and to age will be in days and then save

Template Master



The screenshot shows the 'Template Master' window in the Sofscript Hospital software. The window has a title bar with the Sofscript Hospital logo and the text 'TEMPLATE MASTER'. Below the title bar, there is a 'Department' dropdown menu set to 'Clinical Pathology'. Below that, there is a 'Test' dropdown menu set to '2800014' and a text field containing 'Urine Analysis'. To the right of these fields are two buttons: 'Add Component' and 'Copy From'. Below these fields is a table with the following columns: 'Del', 'Component Code', 'Component Name', 'Component Type', and 'Sort Order'. The table contains 14 rows of data, each with a red 'X' in the 'Del' column. The rows are: PHE (Physical Examination, DISPLAY, 10), SQUANT (Quantity, SELECTION TEXT, 20), UCOL (Colour, SELECTION TEXT, 30), UAPP (Appearance, SELECTION TEXT, 40), ODR (Odour, SELECTION TEXT, 50), UPH1 (Reaction (pH), SELECTION TEXT, 60), SPGR (Specific Gravity, SELECTION TEXT, 70), CHEX (Chemical Examination, DISPLAY, 80), FPRO (Protein, SELECTION TEXT, 90), USUG (Sugar, SELECTION TEXT, 100), UACE (Acetone (Ketone), SELECTION TEXT, 110), UBLD (Occult Blood, SELECTION TEXT, 120), and UBP (Bile Pigment, SELECTION TEXT, 140). At the bottom of the window, there are three buttons: 'Save', 'Cancel', and 'Exit'.

Fig 1



The screenshot shows the 'Sofscript Hospital' application window with the 'TEMPLATE MASTER' tab selected. A 'Component Description' dialog box is open, displaying a table of components. The table has columns: Sel, Component Code, Component Description, Component Type, and Formula. The components listed are:

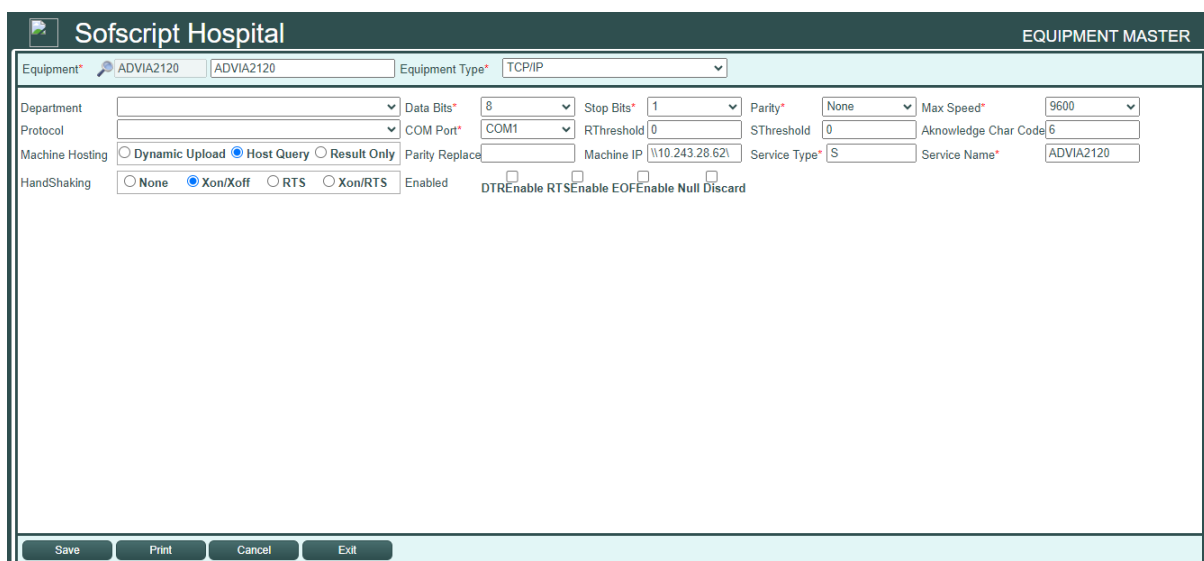
Sel	Component Code	Component Description	Component Type	Formula
<input type="checkbox"/>	180MINAC	180 mins after collection	Multiple Selection	
<input type="checkbox"/>	2.0	2.0	VARIABLE TEXT	
<input type="checkbox"/>	2313	GFR	FORMULA	$=141 * \text{MIN}(\text{XSCREA}/0.9, 1)^{-1.209} * 0.993 * \text{B}2 * \text{IF}(1=0, 1.018, 1) * \text{IF}(1=1, 1.159, 1)$
<input type="checkbox"/>	2HRSL	Hours After	SELECTION TEXT	
<input type="checkbox"/>	3.0	3.0	VARIABLE TEXT	
<input type="checkbox"/>	3.5	3.5	VARIABLE TEXT	
<input type="checkbox"/>	30MINAC	30 mins after collection	Multiple Selection	
<input type="checkbox"/>	4.0	4.0	VARIABLE TEXT	
<input type="checkbox"/>	4.5	4.5	VARIABLE TEXT	
<input type="checkbox"/>	5.0	5.0	VARIABLE TEXT	
<input type="checkbox"/>	5.5	5.5	VARIABLE TEXT	

The dialog box also includes a 'Component Description' text field at the top and 'Ok' and 'Close' buttons at the bottom right. The background window shows a list of components with checkboxes for deletion (X) and buttons for 'Save', 'Cancel', and 'Exit'.

Fig 1.1

This screen is used to create a new template for a particular department and test which is used in the reporting screen. The user can select the appropriate department. The user can modify the description of the master created earlier by pressing F2. In the screenshot (Fig 1) you can see that the user has selected the template "ABSOLUTE BASOPHIL COUNT". The user can add a new template by selecting the department and selecting the test for which the template is to be created by pressing F2 (Fig 1.1). The system asks the user to verify the creation of a new entry. Once the user verifies the same, the user can add components by clicking the "Component" button. For selecting components the user can select the component and click OK(Fig 1.1). The user can delete the component by clicking on the "X" button. On save the master would be created and would be available in the appropriate programs.

Equipment Master



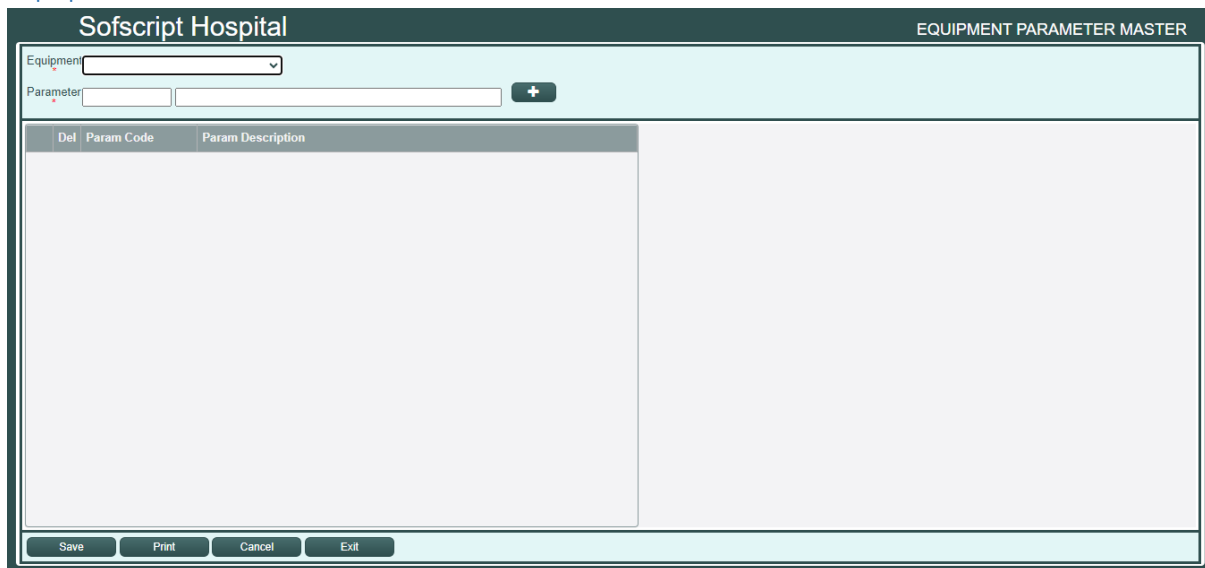
The screenshot shows the 'Sofscript Hospital' application window with the 'EQUIPMENT MASTER' tab selected. The form contains the following fields and options:

- Equipment***: ADVIA2120
- Equipment Type***: TCP/IP
- Department**: (Dropdown menu)
- Protocol**: (Dropdown menu)
- Data Bits***: 8
- Stop Bits***: 1
- Parity***: None
- Max Speed***: 9600
- COM Port***: COM1
- RThreshold**: 0
- SThreshold**: 0
- Aknowledge Char Code**: 6
- Machine Hosting**: ☐ Dynamic Upload ☒ Host Query ☐ Result Only
- Parity Replace**: (Dropdown menu)
- Machine IP**: 10.243.28.62
- Service Type***: S
- Service Name***: ADVIA2120
- HandShaking**: ☐ None ☒ Xon/Xoff ☐ RTS ☐ Xon/RTS
- Enabled**: ☐ DTREnable ☐ RTSEnable ☐ EOFEnable ☐ Null ☐ Discard

The form includes 'Save', 'Print', 'Cancel', and 'Exit' buttons at the bottom.

This master is used for adding the different equipment machines which are used in the lab for testing. the sample and their details are to be filled in each of the respective boxes.

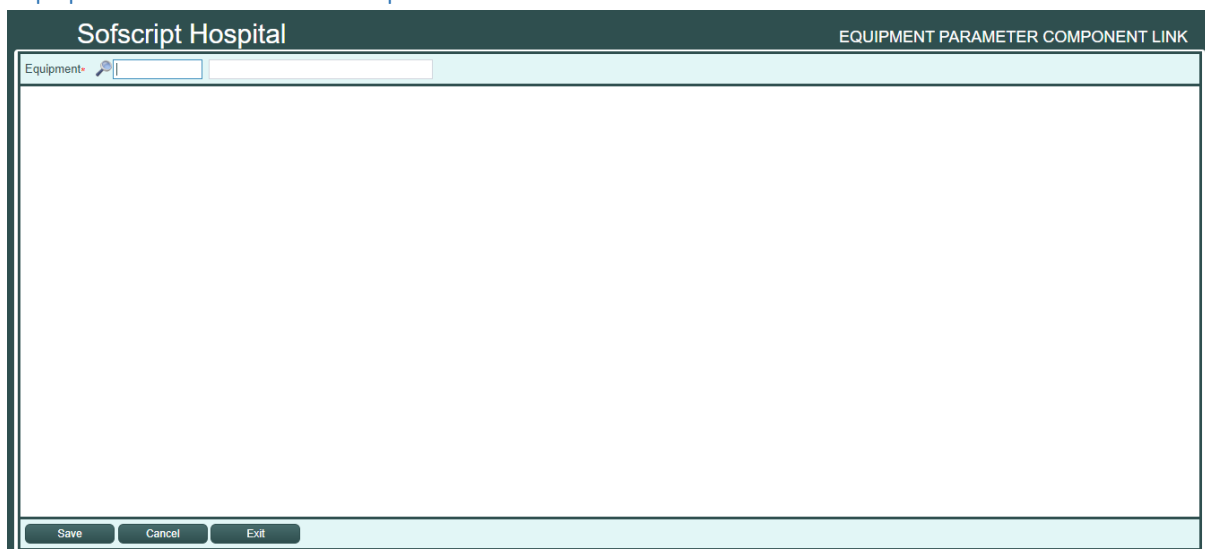
Equipment Parameter Master



Del	Param Code	Param Description
-----	------------	-------------------

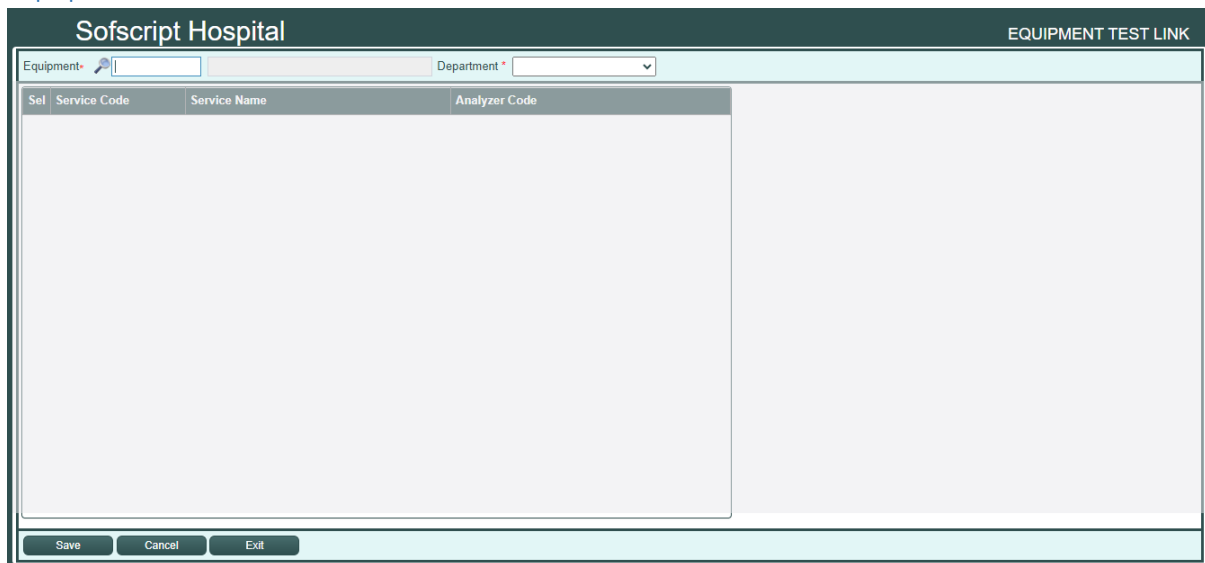
Here we can select the equipment and add all the parameters of that particular machine and those machine parameters can be linked with system components that are used in reporting.

Equipment Parameter Component Link



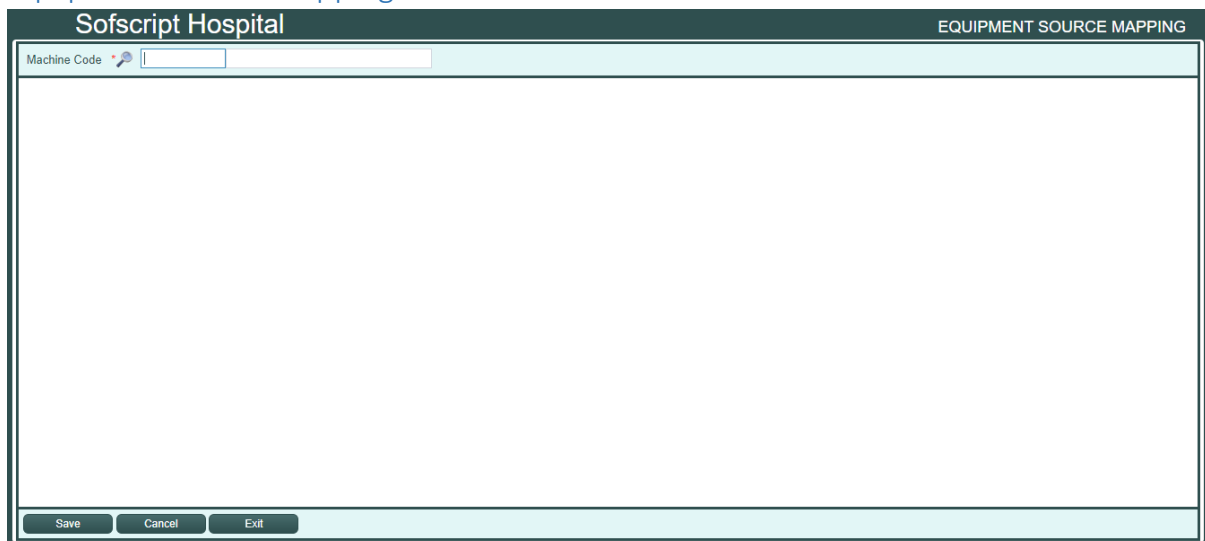
In this master parameters of the machine which we have set in the equipment parameter are mapped with the system components that are made in the component master.

Equipment Test Link



In this master, we choose the equipment and department and the tests of all that department will be seen against those tests, we have to map the code of the test which is defined in that particular equipment

Equipment Source Mapping



In this master we choose the equipment and all the sources that are defined in the generic master will be shown then against the particular source that is used against the particular test in the test master we have to map the source code that is defined in that particular equipment

Equip String

Sofscript Hospital

EQUIP STRING

Equipment

Communication Type*

Copy From

Comp Code	Comp Desc.	Field1	Field2	Field3	Field4	Field5	Field6	Field7	Field8	Field9	Field10	Field11	Field12	Field13	Field14	Field15
4	Header															
6	Result															
5	Sample Id															

Save

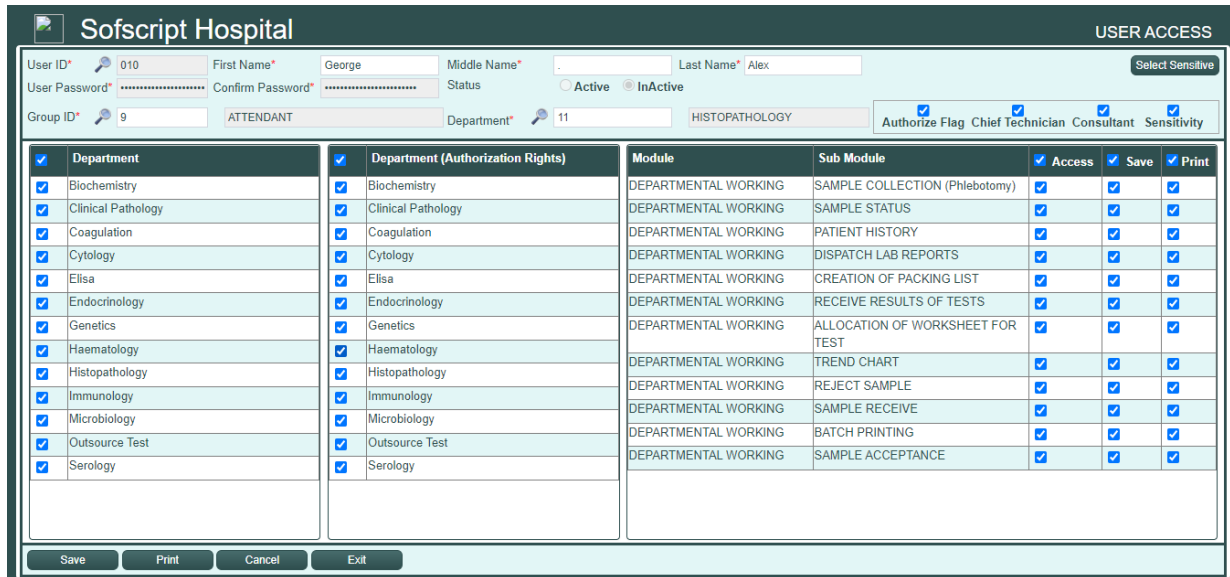
Cancel

Exit

-> In this master we choose the equipment and we set up the string codes from machines against the field for header, result and sampleid.

Security

User Access



Sofscript Hospital USER ACCESS

User ID* 010 First Name* George Middle Name* . Last Name* Alex Select Sensitive

User Password* Confirm Password* Status ☐ Active ☒ InActive

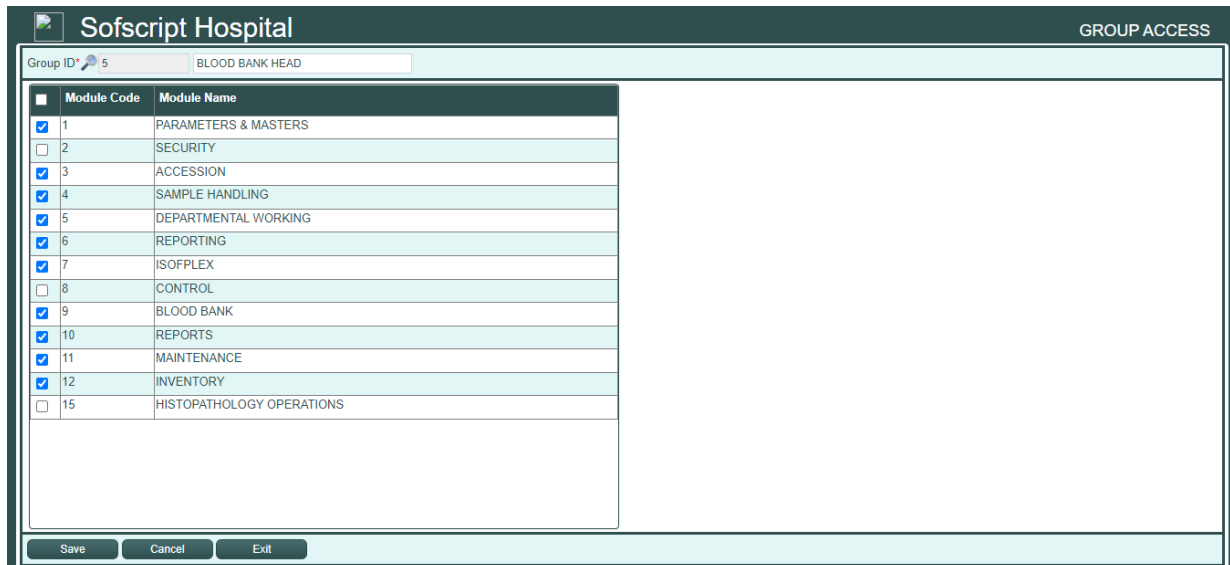
Group ID* 9 ATTENDANT Department* 11 HISTOPATHOLOGY
☒ Authorize Flag ☒ Chief Technician ☒ Consultant ☒ Sensitivity

Department	Department (Authorization Rights)	Module	Sub Module	Access	Save	Print
<input checked="" type="checkbox"/> Biochemistry	<input checked="" type="checkbox"/> Biochemistry	DEPARTMENTAL WORKING	SAMPLE COLLECTION (Phlebotomy)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Clinical Pathology	<input checked="" type="checkbox"/> Clinical Pathology	DEPARTMENTAL WORKING	SAMPLE STATUS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Coagulation	<input checked="" type="checkbox"/> Coagulation	DEPARTMENTAL WORKING	PATIENT HISTORY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cytology	<input checked="" type="checkbox"/> Cytology	DEPARTMENTAL WORKING	DISPATCH LAB REPORTS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Elisa	<input checked="" type="checkbox"/> Elisa	DEPARTMENTAL WORKING	CREATION OF PACKING LIST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Endocrinology	<input checked="" type="checkbox"/> Endocrinology	DEPARTMENTAL WORKING	RECEIVE RESULTS OF TESTS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Genetics	<input checked="" type="checkbox"/> Genetics	DEPARTMENTAL WORKING	ALLOCATION OF WORKSHEET FOR TEST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Haematology	<input checked="" type="checkbox"/> Haematology	DEPARTMENTAL WORKING	TREND CHART	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Histopathology	<input checked="" type="checkbox"/> Histopathology	DEPARTMENTAL WORKING	REJECT SAMPLE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Immunology	<input checked="" type="checkbox"/> Immunology	DEPARTMENTAL WORKING	SAMPLE RECEIVE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Microbiology	<input checked="" type="checkbox"/> Microbiology	DEPARTMENTAL WORKING	BATCH PRINTING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Outsource Test	<input checked="" type="checkbox"/> Outsource Test	DEPARTMENTAL WORKING	SAMPLE ACCEPTANCE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Serology	<input checked="" type="checkbox"/> Serology					

Save Print Cancel Exit

his screen is used to create a new user or assign rights to an existing user. The user can select a user by pressing F2. The system displays a list of all the users created. The user can select a user and the system displays all the information related to the user. The items marked as "*" are mandatory. The user can create a new user by entering a user ID. The system asks the user to verify that he is creating a new entry. Once the user verifies the same the user can enter the user name and the other attributes (Explained in Table 1). The user can press F2 to display the help associated with the particular attribute. The table shows the Laboratory departments and in are the functions that are associated with the group ID assigned to the user.

Group Access



Sofscript Hospital GROUP ACCESS

Group ID* 5 BLOOD BANK HEAD

Module Code	Module Name
<input checked="" type="checkbox"/> 1	PARAMETERS & MASTERS
<input type="checkbox"/> 2	SECURITY
<input checked="" type="checkbox"/> 3	ACCESSION
<input checked="" type="checkbox"/> 4	SAMPLE HANDLING
<input checked="" type="checkbox"/> 5	DEPARTMENTAL WORKING
<input checked="" type="checkbox"/> 6	REPORTING
<input checked="" type="checkbox"/> 7	ISOFPLEX
<input type="checkbox"/> 8	CONTROL
<input checked="" type="checkbox"/> 9	BLOOD BANK
<input checked="" type="checkbox"/> 10	REPORTS
<input checked="" type="checkbox"/> 11	MAINTENANCE
<input checked="" type="checkbox"/> 12	INVENTORY
<input type="checkbox"/> 15	HISTOPATHOLOGY OPERATIONS

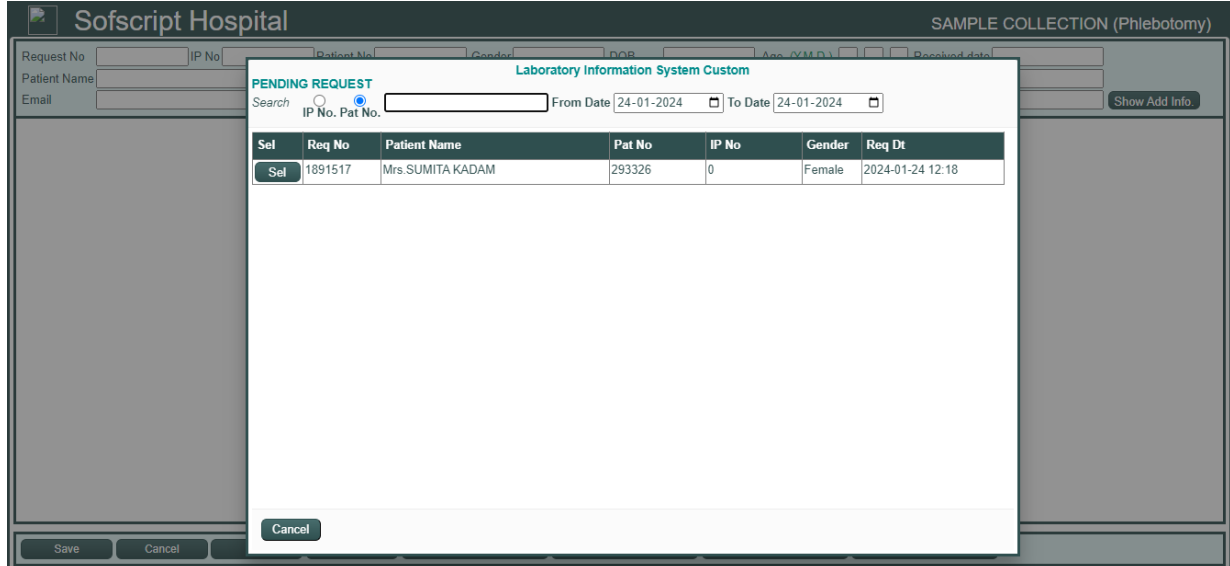
Save Cancel Exit

This screen is used to create groups as explained above in the LIS. The user can select an existing group by pressing F2 (Fig 1). The user can select a group and the system displays all the modules within the LIS the modules ticked are the ones this group has access to. The user can create a new group by entering a Group ID. The system asks the user to verify the creation of a new entry. Once the user verifies the same the user can enter the group name and select the modules the group has access to. A typical laboratory would have groups like Receptionists, Phlebotomists, Technologists, Senior Technologists, and Doctors etc.

Transaction

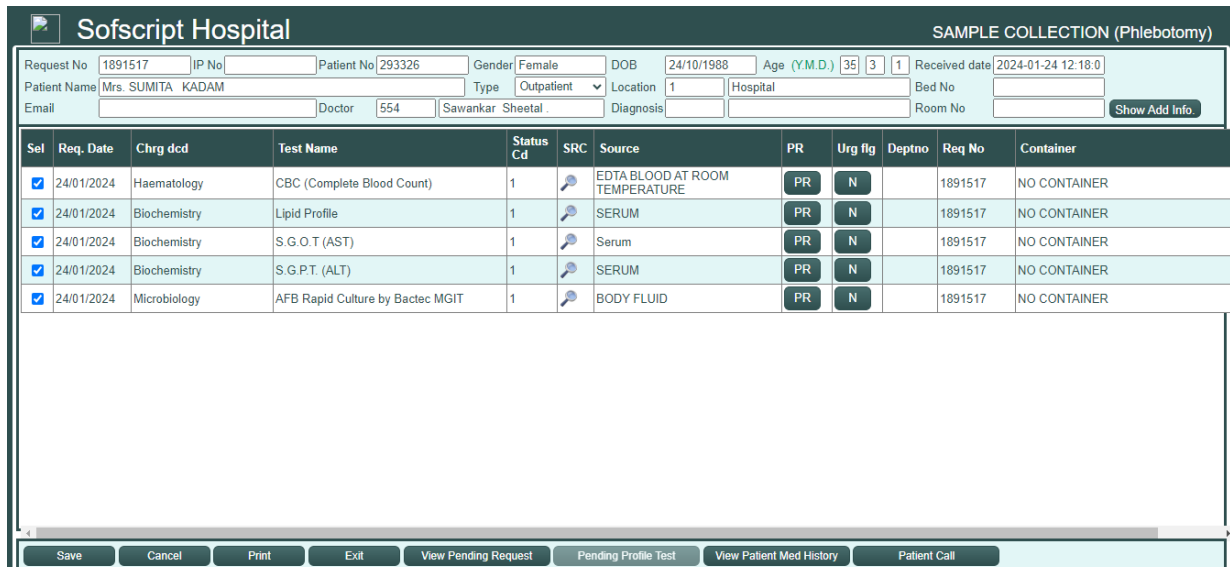
Sample Collection

View Pending Request



The LIS is linked with the HIS system. The laboratory requests are generated in the HIS, and the sample and a printed request are received at the laboratory reception. The laboratory receptionist can enter the request number which is on the printed request or click on the view pending button. The system displays a list of all pending requests. The user can filter the requests based on the various criteria on the screen (e.g. Patient No or IP No). The user can click on the appropriate request.

Sample Collection (Phlebotomy)



The LIS populates the patient details and accession details received from the HIS. The user can double-click to remove a particular test. The particular test will remain pending and can be accepted later. On click of "Save" the system generates an accession number and sample numbers and barcodes with sample no, patient demographics, department, and source printed on it if the barcode printer is connected for the tests selected.

Print

Sofscript Hospital

SAMPLE COLLECTION (Phlebotomy)

First Name

SUMITA

Mid Name

Last Name

KADAM

DOB

24/10/1988

Age Y.M.D.

33

5

28

Gender

Female

IP No

Patient No

293326

Sample No

Patient Name

Search

Cancel

Print Barcode

Exit

Accession Details:-

Sel	Date	Accession No
<input type="checkbox"/>	24/01/2024	24000002
<input type="checkbox"/>	01/10/2022	22018800
<input type="checkbox"/>	07/07/2022	22009232
<input type="checkbox"/>	27/04/2022	22002430
<input type="checkbox"/>	21/04/2022	22001898

Sample Details:-

<input type="checkbox"/>	Date	Accession No	Sample No	Test
<input type="checkbox"/>	24/01/2024	24000002	24000004	S.G.P.T. (ALT)
<input type="checkbox"/>	24/01/2024	24000002	24000005	Lipid Profile
<input type="checkbox"/>	24/01/2024	24000002	24000006	AFB Rapid Culture by Bactec MGIT
<input type="checkbox"/>	24/01/2024	24000002	24000003	S.G.O.T (AST)
<input type="checkbox"/>	24/01/2024	24000002	24000002	CBC (Complete Blood Count)

If a reprint of the barcode is required click on the print button. The user can enter based on the various criteria on the screen (e.g. Patient No or In-Patient No, sample no). Select the appropriate accession and click on the print barcode.

Pending Profile Test

Sofscript Hospital

SAMPLE COLLECTION (Phlebotomy)

Request No

IP No

Patient No

Gender

DOB

Age Y.M.D.

Received date

Patient Name

Email

Show Add Info

Pending Profile Tests

Sel	Req No	Patient Name	Pat No	IP No	Gender	Collection Date
<input type="checkbox"/>	1839609	Miss. DAWRE ANANYA	265485		Female	25/05/2022 2:04:38 PM
<input type="checkbox"/>	1841310	Mr. ADARKAR SADGURU	297462		Male	25/08/2022 12:32:24 PM
<input type="checkbox"/>	1841310	Mr. ADARKAR SADGURU	297462		Male	25/08/2022 12:32:24 PM
<input type="checkbox"/>	1841314	Mr. AMBIEA PRADEEP	297463		Male	25/08/2022 12:44:08 PM
<input type="checkbox"/>	1841314	Mr. AMBIEA PRADEEP	297463		Male	25/08/2022 12:44:08 PM
<input type="checkbox"/>	1841319	Mr. KUMAR ALOK	297464		Male	25/08/2022 12:49:43 PM
<input type="checkbox"/>	1841319	Mr. KUMAR ALOK	297464		Male	25/08/2022 12:49:43 PM
<input type="checkbox"/>	1841320	Mr. PASWAN SUBHASH	297465		Male	25/08/2022 12:47:59 PM
<input type="checkbox"/>	1841320	Mr. PASWAN SUBHASH	297465		Male	25/08/2022 12:47:59 PM
<input type="checkbox"/>	1841341	Mr. SHANKAE MANDAL GAURI	297466		Male	25/08/2022 1:04:03 PM
<input type="checkbox"/>	1841341	Mr. SHANKAE MANDAL GAURI	297466		Male	25/08/2022 1:04:03 PM
<input type="checkbox"/>	1841322	Mr. KUMAR PASWAN GAUTAM	297467		Male	25/08/2022 12:56:05 PM
<input type="checkbox"/>	1841322	Mr. KUMAR PASWAN GAUTAM	297467		Male	25/08/2022 12:56:05 PM
<input type="checkbox"/>	1841325	Mr. RAJ PATIL PRUTHVI	297468		Male	25/08/2022 12:56:23 PM

Cancel

Save

Cancel

Print

Exit

View Pending Request

Pending Profile Test

View Patient Med History

Patient Call

For the Profile Services, the laboratory profile requests are generated in the HIS and the sample along with a printed request is received at the laboratory reception. The laboratory receptionist can enter the request number which is on the printed request or click on the Pending Profile Test button.

Sofscript Hospital

SAMPLE COLLECTION (Phlebotomy)

Request No

1841319

IP No

Patient No

297464

Gender

M

DOB

03/06/1988

Age (Y.M.D.)

34

2

22

Received date

Patient Name

Mr. KUMAR ALOK

Type

Outpatient

Location

1

Hospital

Bed No

Email

Doctor

Diagnosis

Room No

Show Add Info.

Sel	Department	Test Name	Req No	Sample No
<input checked="" type="checkbox"/>	Microbiology	Culture and Sensitivity (Semi - Automated)-HAND	1841319	22027766
<input checked="" type="checkbox"/>	Microbiology	Culture and Sensitivity (Semi - Automated)-NASAL	1841319	22027767

Save

Cancel

Print

Exit

View Pending Request

Pending Profile Test

View Patient Med History

Patient Call

The LIS populates the patient details and accession details received from the HIS. The user can double-click to remove a particular test. The particular test will remain pending and can be accepted later. On click of "Save" the system generates an accession number and sample numbers and barcodes with sample no, patient demographics, department, and source printed on it if the barcode printer is connected for the tests selected.

Patient Call

SOFSCRIPT HOSPITAL

Division : MAHARASHTRA
Location : MUMBAI

Welcome, SSSL

Acknowledge OP Doctor Visit

* TOKEN TYPE

OPD VISIT TOKEN NO LIST

DEPARTMENT WISE TOKEN NO LIST

* COLL. CODE

1

LAB

CHARGE CODE

Charge Co

Charge Description

ROOM NO

CLINIC

OP

IP

BOTH

FILTER

Enter Patient Name

Enter Ip No

Enter Ptn No

Enter Mobile

PATIENT TYPE

PAY PATIENT

FROM DATE

24/01/2024

TO DATE

24/01/2024

☐ ARRIVED

☒ REPORTED

☐ CALL

☐ PATIENT IN

☐ ON HOLD

☐ CLOSED

☐ CANCELLED

☐ NOT ARRIVED

REFRESH

SEL	SR. NO.	VISIT NO	TOKEN NO	COLLECTION CENTER	ARRI. DT/TM	IN PATIENT NO	PATIENT NO	PATIENT NAME	GENDER	MOBILE NO	STATUS	FEE SOURCE
NO RESULTS FOUND												

ARRIVED 0

REPORTED 0

CALL 0

PATIENT IN 0

ON HOLD 0

CLOSED 0

CANCELLED 0

PATIENT HAS NOT ARRIVED 0

REFUND VOUCHERS

PRINT

CLEAR

The patient Call screen is used for queue management. Users can see all the pending patients and call for sample collection. Users can see all patient statuses at a glance.

Creation of Packing List

Sofscript Hospital

CREATION OF PACKING LIST

Department

Clinical Pathology

Laboratory

SRL

From Date

24-01-2023

To Date

24-01-2024

Show

Other Lab

	Sample No	Accession No	Accession Date	Patient Name	Test
<input type="checkbox"/>	23011887	23005940	14/11/2023 02:43:11 PM	SHETTY GOPINATH	Bence Jones Proteins, Urine-Qualitative (Outsourced Test)

Save

Print

Cancel

Exit

This screen is used to create a packing list of the tests that are sent out. The user can select the department for which the packing list is to be created. The user can select the external laboratory to which the samples are to be sent and then click on "Show". The system displays a list of all the samples which include tests marked as sent out in the service master and whose default location is set to the location selected by the user. If the users want to send a test which is usually sent to another lab to the selected lab the user can click on "Other Lab". The user can select the lab and all the samples not yet sent out for that lab are added to the current table.

The user can select the samples that are being sent to the lab and click on "Save". The system generates a packing list for all the samples selected and the status of samples is changed to "Sent Out". The packing list user can also print the packing list by clicking on "Print". The user can select the external laboratory for which

Sample Status

Sofscript Hospital

SAMPLE STATUS

From Date

24-01-2024

To Date

24-01-2024

TEST CODE

SAMPLE NO

Patient Type

OIP

OP

BOTH

Patient No.

293326

Location

Authorise

Cancelled

In Process

NotProgrammed

Rejected

Reported

Result Received

Sample Collected

Sample Receive

Sent Out

IPD Phlebotomy

All

Total Count:

5

Sample No

Accession No

Test Name

Department

Urg Status

Order Doc

Patient Name

Show

Show	IP No	Pat No	Patient Name	Ordered Date	Sample No	Accession No	Department	Test Name	Location	Doctor	bed	Status	Remark	Req No
Show		293326	SUMITA KADAM	24/01/2024 12:38:25 PM	24000002	24000002	Haematology	CBC (Complete Blood Count)	Hospital	Sawankar Sheetal .		Sample Collected		1891517
Show		293326	SUMITA KADAM	24/01/2024 12:38:25 PM	24000003	24000002	Biochemistry	S.G.O.T (AST)	Hospital	Sawankar Sheetal .		Sample Collected		1891517
Show		293326	SUMITA KADAM	24/01/2024 12:38:25 PM	24000004	24000002	Biochemistry	S.G.P.T. (ALT)	Hospital	Sawankar Sheetal .		Sample Collected		1891517
Show		293326	SUMITA KADAM	24/01/2024 12:38:25 PM	24000005	24000002	Biochemistry	Lipid Profile	Hospital	Sawankar Sheetal .		Sample Collected		1891517
Show		293326	SUMITA KADAM	24/01/2024 12:38:25 PM	24000006	24000002	Microbiology	AFB Rapid Culture by Bactec MGIT	Hospital	Sawankar Sheetal .		Sample Collected		1891517

Print

Cancel

Exit

VIP Patient

STAT Sample

This screen is used to see the status of the tests accessed in the laboratory for a given period. The screen works in two modes Search by Test Code In this option if a sample has 10 tests associated with it all the 10 tests are shown individually. Search by Sample No In this option if a sample has 10 tests associated with it even then only 1 record for the sample is shown.


The user can select the date range and the mode and then click on “Show”. The system displays all the records for the date range for the departments the user has rights. The user can further filter the data based on the various sample status or other filter criteria. The filter criteria are explained in Table 1.

The user can click on “Show” against the sample and the system does the following Search by Test Code. The system opens the reporting screen and the user can enter the report for the test Search by Sample No The system shows all the tests within the sample. The user can then click on “Show” and the system opens the reporting screen and the user can enter the report for the test.

Table 1

Sr.No	Field	Description
1.	All	All the Samples are showing irrespective of any status
2.	Collected	The sample is collected but not yet started any process
3.	In-Process	This is used only for Microbiology tests where there are multiple levels of authorisation.
4.	Reported	Report generated but not yet authorized.
5.	Authorised	The report is authorised.
6.	Sent Out	The test is sent to an external lab for processing.
7.	Rejected	Rejected from reject from reject screen.
8.	Result Received	The result was received from an external laboratory.
9.	Cancelled	Test cancelled using refund voucher in HIS.

Patient History


Sofscript Hospital

PATIENT HISTORY

Patient No. 293326 Ip No.

Patient Name Mrs. SUMITA KADAM Req No. DOB 24/10/1988 Age (Y.M.D.) 35 | 3 | 1 Gender Female Search

Ord Doc. Loc Type Location From Date 21-04-2022 To Date 24-01-2024

Mobile No. 918108719465 Address Hadapsar, Pune


Patient History Total Records :17

	Date	Accession No	Ordering Doctor	Location	Department	Sample No	Dept NO	Test	Status
Sel	2022-04-21 13:26:09	22001898	Sawankar Sheetal .	Hospital	Immunology	22003405		LH	Authorise
Sel	2022-04-21 13:26:09	22001898	Sawankar Sheetal .	Hospital	Immunology	22003405		FSH	Authorise
Sel	2022-04-21 13:26:09	22001898	Sawankar Sheetal .	Hospital	Immunology	22003406		Estradiol (E-2)	Sample Receive
Sel	2022-04-27 13:18:57	22002430	Sawankar Sheetal .	Hospital	Immunology	22004388		HIV 1 and 2 by CLIA	Sample Receive
Sel	2022-04-27 13:18:57	22002430	Sawankar Sheetal .	Hospital	Immunology	22004389		Anti HCV (Total ABS to Hepatitis C Virus) by CLIA	Send Out
Sel	2022-04-27 13:18:57	22002430	Sawankar Sheetal .	Hospital	Immunology	22004390		HBsAg by CLIA	Send Out
Sel	2022-07-07 15:16:59	22009232	Sawankar Sheetal .	Hospital	Immunology	22016994		Prolactin	Authorise
Sel	2022-07-07 15:16:59	22009232	Sawankar Sheetal .	Hospital	Genetics	22016995		Tuberculosis (MTB), DNA - PCR	Sample Receive
Sel	2022-07-07 15:16:59	22009232	Sawankar Sheetal .	Hospital	Endocrinology	22016996		TSH (Thyroid Stimulating Hormone)	Authorise
Sel	2022-10-01 15:13:04	22018800	Sawankar Sheetal .	Hospital	Immunology	22035427		Prolactin	Authorise
Sel	2022-10-01 15:13:04	22018800	Sawankar Sheetal .	Hospital	Immunology	22035428		Estradiol (E-2)	Sample Receive
Sel	2022-10-01 15:13:04	22018800	Sawankar Sheetal .	Hospital	Endocrinology	22035429		TSH (Thyroid Stimulating Hormone)	Authorise
Sel	2024-01-24 12:38:25	24000002	Sawankar Sheetal .	Hospital	Haematology	24000002		CBC (Complete Blood Count)	Sample Collected

Cancel Exit

Using this screen the laboratory user can see the entire history of the patient for all the departments the user has access to. The user can search for a patient based on multiple search criteria (Patient No, Inpatient No, date, name etc.). The user can enter any or all of these search options and click on “Search”. The system displays the list of patients found in the system based on the entered criteria. The system displays a list of all the tests accessioned for the patient and their current status. The user can click on the “Select” button for the appropriate test and the system displays the final report of the test. The system only displays the report for authorised tests rest of the status gives the pop Message “Only reported or authorised samples can be opened in a report.”

Reject Sample


Sofscript Hospital
REJECT SAMPLE

IP No. Patient No. 293326 Dept No. Accession No. Sample No. Show Add Info.

Accession Details:-

Show	Date	Acc. No.	Pat Type
Show	24/01/2024	24000002	Outpatient
Show	01/10/2022	22018800	Outpatient
Show	07/07/2022	22009232	Outpatient
Show	27/04/2022	22002430	Outpatient
Show	21/04/2022	22001898	Outpatient

Sample Details:-


Sample No.	Department	Test	Reason	Dept. No.	Status
<input type="checkbox"/> 22035427	Immunology	Prolactin			Authorise
<input type="checkbox"/> 22035428	Immunology	Estradiol (E-2)			Sample Receive
<input type="checkbox"/> 22035429	Endocrinology	TSH (Thyroid Stimulating Hormone)			Authorise

Print Reject Cancel Exit

Using this screen the laboratory user can reject the patient Sample. The user can search for a patient based on multiple search criteria (Patient No, Inpatient No, Dept. No, Accession No, Sample No).

The user can enter any or all of these search options and click on "Search". The system displays the list of accession details found in the system based on the entered criteria. Based on the selection show all services against that accession no. Users can reject those samples that are not entered results and the rejection remark is a mandatory field.

Sample Receive


Sofscript Hospital
SAMPLE RECEIVE

Search By ☒ TestWise ☐ SampleWise From Month 24-01-2024 To Month 24-01-2024 Show

☐ In Patient ☐ Out Patient ☒ Both IP/OP No. Department Sample No. Show

Sample no	Test	Patient No	Ip No.	Patient Name	Ord Doct	Age	Gender	Req No	Ord No	Sample Coll. dt	Reason of rejection
<input type="checkbox"/> 22028765	Culture and Sensitivity (Semi - Automated)-HAND	42363		THAKUR KETAN	Hospital Consultant	25 Y 11 M 2 D	Male	1842197	22015159	24/01/2024 10:47:37 AM	
<input type="checkbox"/> 22028766	Culture and Sensitivity (Semi - Automated)-NASAL	42363		THAKUR KETAN	Hospital Consultant	25 Y 11 M 2 D	Male	1842197	22015159	24/01/2024 10:47:37 AM	
<input type="checkbox"/> 24000002	CBC (Complete Blood Count)	293326		KADAM SUMITA	Sawankar Sheetal .	35 Y 3 M 1 D	Female	1891517	24000002	24/01/2024 12:38:25 PM	
<input type="checkbox"/> 24000003	S.G.O.T (AST)	293326		KADAM SUMITA	Sawankar Sheetal .	35 Y 3 M 1 D	Female	1891517	24000002	24/01/2024 12:38:25 PM	
<input type="checkbox"/> 24000004	S.G.P.T. (ALT)	293326		KADAM SUMITA	Sawankar Sheetal .	35 Y 3 M 1 D	Female	1891517	24000002	24/01/2024 12:38:25 PM	
<input type="checkbox"/> 24000005	Lipid Profile	293326		KADAM SUMITA	Sawankar Sheetal .	35 Y 3 M 1 D	Female	1891517	24000002	24/01/2024 12:38:25 PM	
<input type="checkbox"/> 24000006	AFB Rapid Culture by Bactec MGIT	293326		KADAM SUMITA	Sawankar Sheetal .	35 Y 3 M 1 D	Female	1891517	24000002	24/01/2024 12:38:25 PM	

Accept Reject Cancel Exit

Using this screen the laboratory user can accept the samples in the department and process the future. Users can use this screen to reject a particular test and enter the rejection remark.

Lab Reporting

Pending

Pending

From Date 23-01-2024 To date 24-01-2024

☒ Sample Received
 ☐ Machine Results
 ☐ Un Authorised
 ☐ Partially Authorised

Highlight sample collected before 30

☒ VIP Patient
 ☐ STAT Sample
 ☐ TAT Alert

Sel	Coll. Date	Patient No	IP No	Patient Name	Sample No	Status	Ord. Doct.	Age	Gender	Test Name	Department
<input checked="" type="checkbox"/>	2024-01-24 10:47:37	42363		Mr.KETAN THAKUR	22028765	Sample Receive	Hospital Consultant	25Y 11M 2D	Male	Culture and Sensitivity (Semi - Automated)-HAND	Microbiology
<input checked="" type="checkbox"/>	2024-01-24 10:47:37	42363		Mr.KETAN THAKUR	22028766	Sample Receive	Hospital Consultant	25Y 11M 2D	Male	Culture and Sensitivity (Semi - Automated)-NASAL	Microbiology
<input checked="" type="checkbox"/>	2024-01-24 12:38:25	293326		Mrs.SUMITA KADAM	24000002	Sample Receive	Sawankar Sheetal .	35Y 3M 1D	Female	CBC (Complete Blood Count)	Haematology
<input checked="" type="checkbox"/>	2024-01-24 12:38:25	293326		Mrs.SUMITA KADAM	24000003	Sample Receive	Sawankar Sheetal .	35Y 3M 1D	Female	S.G.O.T (AST)	Biochemistry
<input checked="" type="checkbox"/>	2024-01-24 12:38:25	293326		Mrs.SUMITA KADAM	24000004	Sample Receive	Sawankar Sheetal .	35Y 3M 1D	Female	S.G.P.T. (ALT)	Biochemistry
<input checked="" type="checkbox"/>	2024-01-24 12:38:25	293326		Mrs.SUMITA KADAM	24000005	Sample Receive	Sawankar Sheetal .	35Y 3M 1D	Female	Lipid Profile	Biochemistry
<input checked="" type="checkbox"/>	2024-01-24 12:38:25	293326		Mrs.SUMITA KADAM	24000006	Sample Receive	Sawankar Sheetal .	35Y 3M 1D	Female	AFB Rapid Culture by Bactec MGIT	Microbiology

The user can click on the “Pending” Button. And see all pending result entry tests. Users can select appropriate samples and load them into the reporting screen

Reporting

Sofscript Hospital

REPORTING

Sample No 24000003

Accession No 24000002

Patient No. 293326

IP No

Dept. No.

Request No 1891517

Gender Female

Pending

Patient Name Mrs. SUMITA KADAM

D.O.B. 24/10/1988

Age 35 Y 3 M 1 D

Ord Doct 554

Sawankar Sheetal .

Re-Run

Urg Status Normal

Sample Status Sample Receive

Auth. Date

Location Hospital

Room No.

Bed No.

Show Add Info.

Compname	Value	UOM	Normal Low	Normal High	Authorize By	Authorize Date	Authorize Time	Highlight	Notes
S.G.O.T (A.S.T)	30	U/L	15	37				<input type="checkbox"/>	Abnormal
MBBS MD(MICROBIOLOGY)								<input type="checkbox"/>	Delta Fail
MD(PATHOLOGY)								<input type="checkbox"/>	Re-Run1

Save

Cancel

Print

Exit

Authorise Save & Print

Print Auth Only

Hold For Repeat

Comm. Result

Comm Log

Patient History

Patient Medical History

This screen is used for creating reports for all types of reports except microbiology culture reports. The. Selected patient details are loaded in the Reporting screen and the user can enter the values. if the test is automated then the system shall display the result received from the machines as runs. In case of multiple runs then the multiple run values will be available in the Re-Run button and the user has the authority to select the best value to be printed on the report. lab technician will save the report and the test will show the doctor's pending list for authorization. The user can then authorise the whole sample by clicking on “AUTH Save & Print” or can click the authorise box next to the component to authorise individual components and then click on “Save”. On save the system displays the report which can be printed.

Print Report

LABORATORY :DEPARTMENT OF BIOCHEMISTRY			
Patient Name	: MRS. SUMITA KADAM	Sample No	: 24000003
IP / OP No	: 293326	Vch No	: 1891517
Ordered Loc	: Hospital	Gender / Age	: Female / 35 Y 3 M 1 D
Ordered By	: Sawankar Sheetal .	Collected Dt	: 24/01/2024 12:38 PM
Class	: OPD	Reported On	: 24/01/2024 05:03 PM
S.G.O.T (AST)			
TEST NAME	RESULT	UNITS	BIOLOGICAL REF.RANGE
S.G.O.T (A.S.T)	30.00	U/L	15.00 - 37.00

-----End Of Report-----

Authorised

Reported By : SSSL on 24/01/2024 05:03 PM
Printed By : SSSL on 24/01/2024 05:07 PM
Page 1 of 1

DR PALLAVI MALHOTRA
MD(PATHOLOGY)

The report can be printed by the user by clicking on “Print” or “Print Auth Only”. If the user clicks on “Print” all the values entered in the report (including unauthorised values) shall be printed. Whereas “Print Auth Only” prints only authorised values.

Cumulative Result

Cumulative Result				
Component Code	Component Name	Date 24/01/2024 12:38:25 24000002	Reference	Units
SGOT	S.G.O.T (A.S.T)	30.00	15 - 37	U/L
SGPT	S.G.P.T (ALT)	65.0	30 - 65	U/L

On clicking this button, the system displays the results of the patient for the department for which the report has been finalised for the last 1 month. The user can click on the “ALL” button to view all the results of the patient. Only components that have a cumulative print yes against them are displayed.

Hold for Repeat

Sample No	24000003	Accession No	24000002	Patient No	293326	IP No		Dept. No		Request No	1891517	Gender	Female	Pending
Patient Name	Mrs. SUMITA KADAM	D.O.B	24/10/1988	Age	35 Y 3 M 1 D	Ord Doct	554	Sawankar	Sheetal	Re-Run				Show Add Info
Urg Status	Normal	Sample Status	Authorise	Auth. Date	24/01/2024 5:03	Location	Hospital	Room No.		Bed No.				

Comname	Value	UOM	Normal Low	Normal High	Authorize By	Authorize Date	Authorize Time	Highlight
S.G.O.T (A.S.T)	30.00	U/L	15	37	SSSL	24/01/2024	17:03:39	<input type="checkbox"/>
MBBS MD(MICROBIOLOGY)					SSSL	24/01/2024	17:03:39	<input type="checkbox"/>
MD(PATHOLOGY)					SSSL	24/01/2024	17:03:39	<input type="checkbox"/>

Notes

☐ Abnormal

☐ Delta Fail

☐ Re-Run1

Save Cancel Print Exit Authorise Save & Print Print Auth Only Hold For Repeat Comm. Result Comm Log Patient History Patient Medical History

Medical Record

The user can use this option If the sample needs to be further investigated and does not want it to be released by another user. When another user accesses the sample the system highlights to the user that the sample is on hold by the user.

Notes

Sofscript Hospital										REPORTING				
Sample No	24000002	Accession No	24000002	Patient No	293326	IP No		Dept. No		Request No	1891517	Gender	Female	Pending
Patient Name	Mrs. SUMITA KADAM	D.O.B	24/10/1988	Age	35 Y 3 M 1 D	Ord Doct	554	Sawankar	Sheetal	Re-Run				Show Add Info
Urg Status	Normal	Sample Status	Sample Receive	Auth. Date		Location	Hospital	Room No.		Bed No.				

Comname	Value	UOM	Technologist Notes	Doctor Notes	Report Notes
MCHC	Show Ranges	g/dl			
Total WBC Count	Show Ranges	/cmm			
Differential Count					
Haemoglobin	Show Ranges	gm/dL			
Neutrophils	Show Ranges	%			
Lymphocytes	Show Ranges	%			
Eosinophils	Show Ranges	%			
Monocytes	Show Ranges	%			
Basophils	Show Ranges	%			
Platelet Count	Show Ranges	/cmm			
RBC	Show Ranges	10 ⁶ /uL			
PCV	Show Ranges	%			
MCV	Show Ranges	fL			

Save Cancel Print Exit Authorise Save & Print Print Auth Only Hold For Repeat Comm. Result Comm Log Patient History Patient Medical History

Medical Record

Technologist Notes: If the technologist wants to make a note against the sample for future reference it can be entered in this box. This note is not printed on the report.

Doctor Notes: If the doctor wants to make a note against the sample for future reference it can be entered in this box. This note is not printed on the report.

Report Notes: Anything entered in this box is printed on the report under the heading of report notes.

Legends

Sample No	24000003	Accession No	24000002	Patient No	293326	IP No		Dept. No		Request No	1891517	Gender	Female	Pending
Patient Name	Mrs. SUMITA KADAM	D.O.B	24/10/1988	Age	35 Y 3 M 1 D	Ord Doct	554	Sawankar	Sheetal					Re-Run
Urg Status	Normal	Sample Status	Authorise	Auth. Date	24/01/2024 5:03	Location	Hospital	Room No.		Bed No.				Show Add Info

Comname	Value	UOM	Normal Low	Normal High	Authorize By	Authorize Date	Authorize Time	Highlight
S.G.O.T (A.S.T)	30.00	U/L	15	37	SSSL	24/01/2024	17:03:39	
MBBS MD(MICROBIOLOGY)					SSSL	24/01/2024	17:03:39	
MD(PATHOLOGY)					SSSL	24/01/2024	17:03:39	

Notes

Abnormal

Delta Fail

Re-Run1

Save Cancel Print Exit Authorise Save & Print Print Auth Only Hold For Repeat Currm. Result Comm Log Patient History Patient Medical History

Medical Record

The system can highlight abnormality in the patient report. The value column changes colour if any of the criteria is satisfied.

Abnormal: If the result is higher than the normal high value but less than the panic high value

If the result is lower than the normal low value but higher than the panic high value

Panic: If the result is higher than panic high or lower than panic low.

Microbiology Reporting

Pending List

Sofscript Hospital

MICROBIOLOGY REPORTING

Pending

From Date: 24/11/2023 To Date: 25/01/2024

Highlight sample collected before: 400

☒ Sample Received
 ☐ Machine Results
 ☐ Un Authorised
 ☐ Partially Authorised
 ☐ Authorised

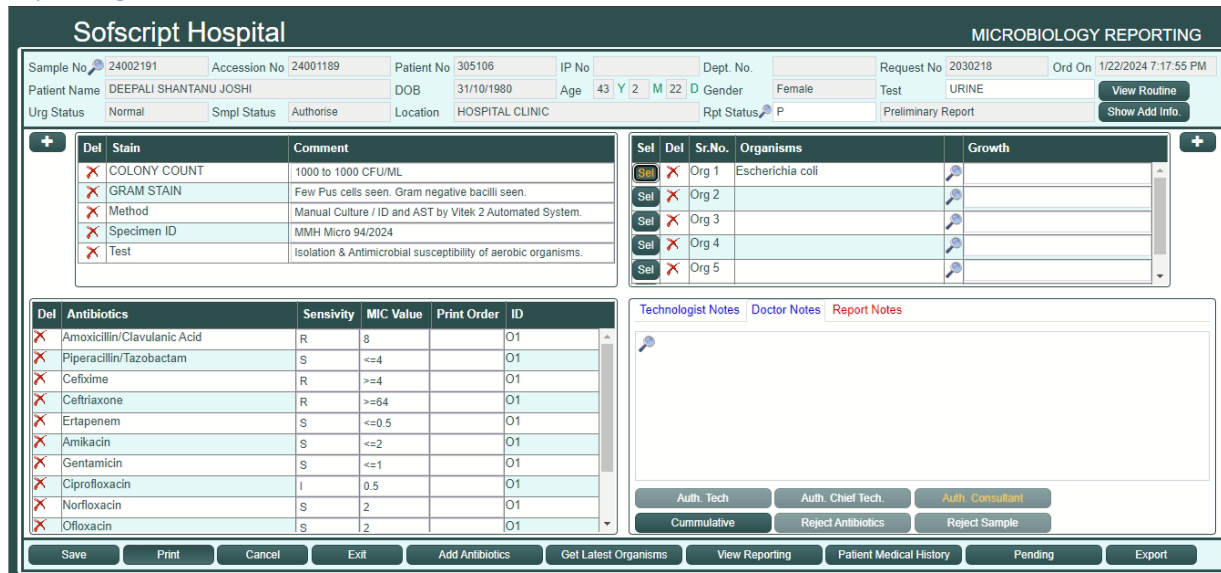
☐ VIP Patient
 ☐ STAT Sample
 ☐ TAT Alert
 Search

Sel	Coll. Date	Patient No	IP No	Patient Name	Sample No	Status	Ord. Doct.	Age	Gender	Test Name	Department
<input checked="" type="checkbox"/>	2023-11-28 19:41:11	306832	2303967	MRS. POOJA SHASHIKANT SALAVE	23006783	Sample Accepted	HRISHIKESH TRAMBAK JOSHI	30Y 2M 5D	Female	BLOOD CULTURE ON BACT/ALERT	MICROBIOLOGY
<input checked="" type="checkbox"/>	2023-12-06 12:17:27	308771	2304047	MRS. KAMAL SHAMRAO GAIKWAD	23007532	Sample Accepted	PANKAJ KONDIRAM MAGAR	78Y 2M 2D	Female	AEROBIC CULTURE (URINE/PUS/STOOL/FLUIDS/SPUTUM ETC)	MICROBIOLOGY
<input checked="" type="checkbox"/>	2024-01-21 15:33:05	312699	2400146	MRS. ROHINI KISHORE PATIL	24002111	Sample Accepted	NILIMA MANOHAR MANE	47Y 7M 23D	Female	FUNGAL CULTURE & SENSITIVITY	MICROBIOLOGY
<input checked="" type="checkbox"/>	2024-01-22 13:33:22	312027		BABYADVIKA PAVAN JADHAV	24002161	Sample Accepted	KEYUR DEORAM MAHAJAN	3Y 0M 8D	Female	AEROBIC CULTURE (URINE/PUS/STOOL/FLUIDS/SPUTUM ETC)	MICROBIOLOGY
<input checked="" type="checkbox"/>	2024-01-22 16:28:22	312840	2400179	MRS. SHAKUNTALA VISHNU BALKAWADE	24002172	Sample Accepted	SUMIT SURESH AGRAWAL	75Y 8M 12D	Female	AEROBIC CULTURE (URINE/PUS/STOOL/FLUIDS/SPUTUM ETC)	MICROBIOLOGY
<input checked="" type="checkbox"/>	2024-01-22 20:15:36	305106		MRS. DEEPALI SHANTANU JOSHI	24002191	Sample Accepted	DURGA VIKAS KARNE	43Y 2M 22D	Female	AEROBIC CULTURE (URINE/PUS/STOOL/FLUIDS/SPUTUM ETC)	MICROBIOLOGY
<input checked="" type="checkbox"/>	2024-01-23	313545	2400254	MRS. SUNITA	24002286	Sample	YASH ARUN	51Y 10M	Female	BLOOD CULTURE ON BACT/ALERT	MICROBIOLOGY

This screen is used for creating microbiology culture reports. The user can enter the sample number for which the report is to be generated or press F2 on the sample number text box to search for the appropriate sample no. The user can enter any identifying number of the patient (OPD No, Inpatient No) and click on search. Alternatively, the user can search for the patient by entering the name of the patient or various other criteria like date, location etc. The system shall display a list of all the patients satisfying

the entry criteria. The user can select the correct patient from the “Pending” button and Select the particular patient. The user can select the appropriate sample number by clicking on the row select button. The system shall display the patient details and if the test is automated then the system shall the results received from the equipment.

Reporting Screen



Any stain-related information regarding the result is displayed in the left-hand side box. The organisms isolated and their growth information if any are displayed in the right-hand box. The system shall allow a maximum of 6 organisms to be reported. The antibiotic sensitivity for the organisms isolated is displayed in the third box. The sensitivity can be reported as (“S”, “R”, “I”). The user can also enter each of the above manually by clicking on the “+” button next to the box. For selecting additional antibiotics, the user can select the antibiotic and click OK. The user can select the appropriate information from the help and the same shall be added to the report. In case the results were received from the equipment at different times after saving the record the user can view and select the appropriate information by clicking the “Get latest” button. The system displays the list of the organisms received from the equipment along with the no of antibiotic information sent by the equipment. The user can select the organism that is to be displayed in the report and also specify the order in which they are to be displayed in the report. The user can save the report by clicking on “Save”. The system shall ask the user to select the report to be printed (All / Preliminary / Final / Amended). By default, the current report type shall be selected. The user can select the report type and print the report.

Detailed information on all buttons or entry fields on the screen is in Table 1.

Table 1

Sr.No	Field	Description
1.	Report Status	The user can specify 3 types of reports (Preliminary / Final / Amended). Preliminary reports can be changed even after authorisation. The final report cannot be changed once authorised. The user can issue an Amended report. No changes are possible after authorising an Amended report.
2.	Authorisation Level Auth Level 1 Auth Chief Technician Auth Consultant	The system has the ability of multiple levels of authorisation. There are 3 levels of authorisation as mentioned. The authorisation levels are configurable as per the laboratory requirements
3.	Cumulative	The user can see all the earlier culture reports of the Patient

4.	Reject antibiotics	The user can delete all the antibiotics from the grid by clicking on this button.
5.	Reject Sample	The user can delete the entire report of the sample by clicking on this button
6.	Technologist Notes	If the technologist wants to make a note against the sample for future reference it can be entered in this box. This note is not printed on the report.
7.	Doctor Notes	If the doctor wants to make a note against the sample for future reference it can be entered in this box. This note is not printed on the report.
8.	Report Notes	Anything entered in this box is printed on the report under the heading of report notes.

Normal Report

MICROBIOLOGY

Patient Name : MR. VIJAY NAGNATH KEKADE	IP / OP No : 2400247
Ordered Loc : ICU Bed No: 100.7	Gender : Male
Ordered By : Dr. YASH ARUN BAHULIKAR	Age : 75 Y 4 M 10 D
Class : Class B	Vch No : 280215
Current Loc : ICU 100.7	Received Dt : 24/01/2024 01:32 PM
Sample No : 24002351	Authorised Dt : 24/01/2024 04:09 PM
Address : SR NO. 37/17 VIDYANAGARI SOC NEAR JAVAHAR BAKERY PUNE, , PUNE, 411043	


ZN STAIN (FLUID)

SPECIMEN	PLEURAL FLUID
ZIEHL - NEELSEN STAIN (AFB)	Acid fast bacilli not seen

---End Of Report---

Dr. Sangita Joag

M.D.Path
Reg No. 65483



Dr. Komal R. Mirlekar

M.B.B.S. M.D. Micro
Reg No. 2013/06/2224


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The above screenshot indicates the normal report format

Sensitivity Report

MICROBIOLOGY			
Patient Name	: MRS. DEEPALI SHANTANU JOSHI	IP / OP No	: 305106
Ordered Loc	: HOSPITAL CLINIC	Gender	: Female
Ordered By	: Dr. DURGA VIKAS KARNE	Age	: 43 Y 2 M 22 D
Class	: Class OP	Vch No	: 2030218
Current Loc	:	Received Dt	: 22/01/2024 08:15 PM
Sample No	: 24002191	Authorised Dt	: 24/01/2024 09:28 AM
Address	: 302 balbhim park warje pune , , , PUNE, 411058		
AEROBIC CULTURE (URINE/PUS/STOOL/FLUIDS/SPUTUM ETC)			
SPECIMEN	URINE		
METHOD	Manual Culture / ID and AST by Vitek 2 Automated System.		
TEST	Isolation & Antimicrobial susceptibility of aerobic organisms.		
SPECIMEN ID	MMH Micro 94/2024		
GRAM STAIN	Few Pus cells seen. Gram negative bacilli seen.		
COLONY COUNT	1000 to 1000 CFU/ML		
MICROORGANISM ISOLATED : <i>Escherichia coli</i>			
Antibiotic	Sensitivity	MIC Value	
Amoxicillin/Clavulanic Acid	Resistant	8	
Piperacillin/Tazobactam	Sensitive	<=4	
Trimethoprim/Sulfamethoxazole	Sensitive	<=20	
Amikacin	Sensitive	<=2	
Gentamicin	Sensitive	<=1	
Cefixime	Resistant	>=4	
Ceftriaxone	Resistant	>=64	
Ciprofloxacin	Intermediate	0.5	
Norfloxacin	Sensitive	2	
Ofloxacin	Sensitive	2	
Ertapenem	Sensitive	<=0.5	
Fosfomycin	Sensitive	<=16	
Nitrofurantoin	Sensitive	<=16	


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The above screenshot indicates the Sensitivity of the organism and the antibiotics report format.

Dispatch Lab Report

 Sofscript Hospital
DISPATCH LAB REPORTS

Dispatch Mode: ☐ To Ward ☒ Collection ☐ By Email ☐ By Courier ☐ By SMS

From Date: 24-01-2024 From To: 24-01-2024 IP No: Patient No: Voucher No:


Location: Name: ☐ ALL ☒ Pending ☐ Dispatched Show

Order No	Order Date	Patient No.	IP No.	Req. No.	Department	Sample No.	Status	
<input type="checkbox"/> 24000002	2024-01-24 12:38:25	293326		1891517	Biochemistry	24000003	Authorise	More
<input type="checkbox"/> 24000002	2024-01-24 12:38:25	293326		1891517	Biochemistry	24000004	Authorise	More

Dispatch
Print
Cancel
Exit

This screen is used for the report dispatch details capture. OP patients via By E-Mail, Courier, SMS, Patient collection and IP patients Sent to the Ward. Users can search for the patient through the IP.No | Patient NO | Voucher no. Users can select the appropriate patient and send a report to the patient.

Batch Printing


Sofscript Hospital
BATCH PRINTING

From Date: 01-01-2024 To Date: 25-01-2024 Patient Type: ☒ ALL ☐ IP ☐ OP IP/OP No.: Location: Department: Accession No.: Sample No.: Voucher No.: Batch Printing: ☐ ALL ☒ Pending ☐ Printed Show

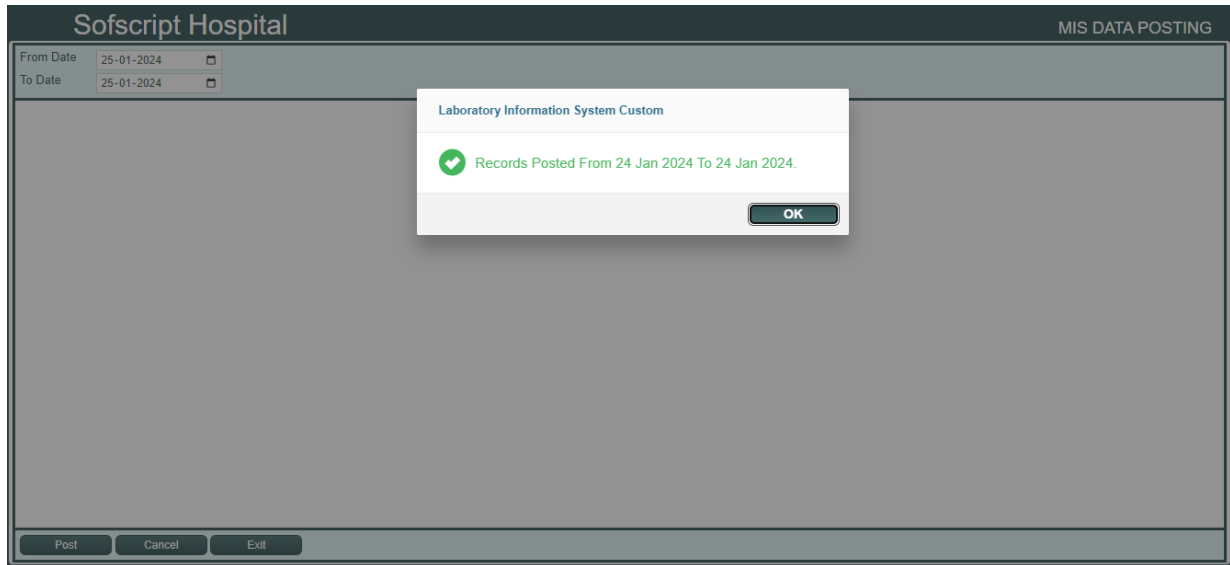
	Order Date	Patient No.	Patient Name	IP No.	Req. No.	Department	Location	Test	Order No	Sample No.	Status	
<input type="checkbox"/>	24/01/2024	293326	SUMITA KADAM		1891517	Biochemistry	Hospital	S.G.O.T (AST)	24000002	24000003	Authorise	More
<input type="checkbox"/>	24/01/2024	293326	SUMITA KADAM		1891517	Biochemistry	Hospital	S.G.P.T. (ALT)	24000002	24000004	Authorise	More

Print
Cancel
Exit

This screen is used for the Print Reports. Users can search for the patient through the IP.No| Patient NO |Voucher No| Accession No| Sample No. Users can select the appropriate patient and print the report.

MIS Report

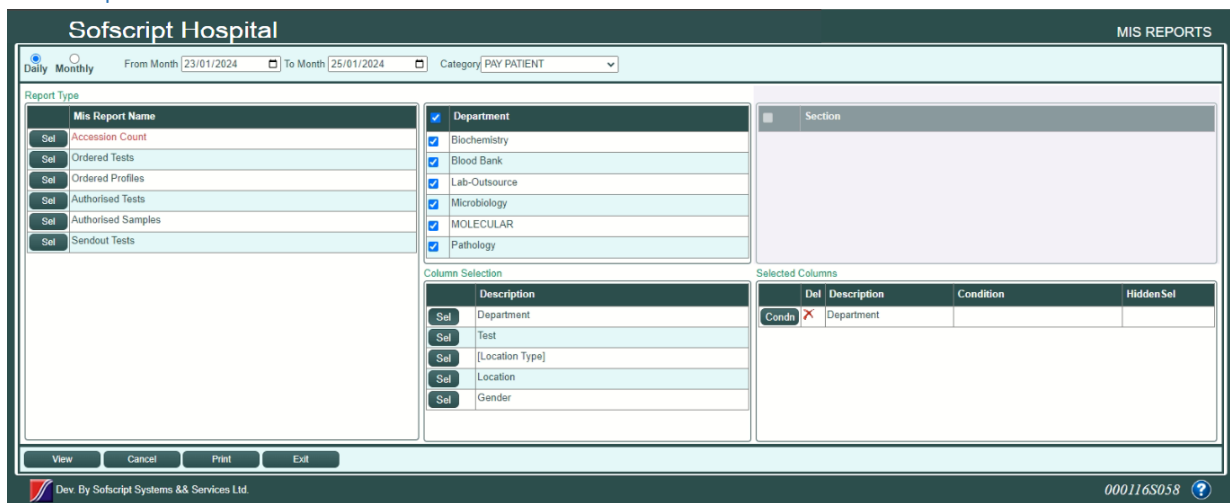
MIS Data Posting



The screenshot shows the 'Sofscript Hospital' interface for 'MIS DATA POSTING'. It includes a date range selector with 'From Date' and 'To Date' both set to '25-01-2024'. A central dialog box titled 'Laboratory Information System Custom' displays a green checkmark and the message 'Records Posted From 24 Jan 2024 To 24 Jan 2024.', with an 'OK' button. At the bottom, there are 'Post', 'Cancel', and 'Exit' buttons.

This screen is used to post MIS Data for a particular date so that the MIS reports for different criteria can be viewed.

MIS Report



The screenshot shows the 'Sofscript Hospital' interface for 'MIS REPORTS'. It features a 'Report Type' section with 'Daily' selected and 'Monthly' as an option. The date range is set from '23/01/2024' to '25/01/2024', and the category is 'PAY PATIENT'. The 'Mis Report Name' list includes 'Accession Count', 'Ordered Tests', 'Ordered Profiles', 'Authorised Tests', 'Authorised Samples', and 'Sendout Tests'. The 'Department' list includes 'Biochemistry', 'Blood Bank', 'Lab-Outsource', 'Microbiology', 'MOLECULAR', and 'Pathology'. The 'Column Selection' table shows 'Department', 'Test', '(Location Type)', 'Location', and 'Gender' as available columns. The 'Selected Columns' table shows 'Department' as the selected column. At the bottom, there are 'View', 'Cancel', 'Print', and 'Exit' buttons. The footer includes 'Dev. By Sofscript Systems & Services Ltd.' and the code '000116S058'.

This screen is used to see the entire MIS Reports for different criteria. The user can search on multiple search criteria (Department, date, daily, monthly etc.). The User needs to select the MIS Report name and The user can enter any or all of these search options and click on "View | Print". The system displays the report based on the selected criteria.

[Report View](#)

Sofscript Hospital			MIS REPORTS
Accession Count [Daily Report] 23 Jan 2024 To 25 Jan 2024			
Department	20240123	20240124	Total
Biochemistry	517	519	1036
Blood Bank	45	38	83
Lab-Outsource	9	6	15
Microbiology	204	202	406
MOLECULAR	1	2	3
Pathology	550	560	1110
	1326	1327	2653
<div> <div>Back</div> <div>Cancel</div> <div>Print</div> <div>Exit</div> </div> <div> <div>Department</div> <div>Grand Total</div> </div>			
<div> <div>Dev. By Sofscript Systems & Services Ltd.</div> <div>000116S058</div> <div></div> </div>			

On this screen, the user can see the view data

Report Print

Accession Count				
D				
1/22/2024-1/25/2024				
COL1	20240123	20240124	20240125	TOTAL
BIOCHEMISTRY (R)	32	33	19	84
CLINICAL PATHOLOGY	17	10	8	35
ENDOCRINOLOGY	2	4	2	8
HAEMATOLOGY	20	24	18	62
HISTOPATHOLOGY	2	1	0	3
LAB TEST (SENT OUT)	2	2	3	7
MICROBIOLOGY	1	4	0	5
SEROLOGY (ROUTINE)	5	6	2	13
SEROLOGY (SPECIAL)	3	2	1	6
TUMOUR MARKERS	1	1	0	2
	85	87	53	225

On this screen, the user can print a view of the data

Turn Around Time

Sofscript Hospital

TURN AROUND TIME

Department: Biochemistry

Type: PROFILE TEST

Test:

Records

Pie Chart

Loc Type:

Location:

Select: D/W/M

Period: For The Day

Last 7 Days

Last 30 Days

Category: PAY PATIENT

Stat Test

Sel	Patient Name	Ip No	Op No	Accession No.	Sample No.	Test Name	Urgent Status	Location	Smpl Billed Dt	Smpl Coll Dt	Smpl Accept Dt	Smpl Reported Dt	Smpl Auth Dt	TAT (in Min./Hrs.)	Status	Comment
<input type="checkbox"/>	Mrs KUMARA MEGHWAL KIRAN		5652185	24040040	24076736	TROP - T	Normal	Geetanjali Hospital	1/24/2024 11:40:04 PM	1/25/2024 12:06:25 AM	1/25/2024 12:23:37 AM	1/25/2024 12:34:34 AM	1/25/2024 9:40:53 AM	1	On Time	
<input type="checkbox"/>	Mrs KUMARA MEGHWAL KIRAN		5652185	24040040	24076736	TROP - T	Normal	Geetanjali Hospital	1/24/2024 11:40:04 PM	1/25/2024 12:06:25 AM	1/25/2024 12:23:37 AM	1/25/2024 12:34:34 AM	1/25/2024 9:40:53 AM	1	On Time	
<input type="checkbox"/>	Ms. SIRVI PRIYANKA	883382	5258368	24040042	24076738	Serum Creatinine	Normal	Medical Oncology Ward	1/25/2024 12:16:34 AM	1/25/2024 12:16:34 AM	1/25/2024 12:33:59 AM	1/25/2024 2:21:51 AM	1/25/2024 2:21:51 AM	2	On Time	
<input type="checkbox"/>	Ms. SIRVI PRIYANKA	883382	5258368	24040042	24076738	SGPT	Normal	Medical Oncology Ward	1/25/2024 12:16:34 AM	1/25/2024 12:16:34 AM	1/25/2024 12:33:59 AM	1/25/2024 2:21:51 AM	1/25/2024 2:21:51 AM	2	On Time	
<input type="checkbox"/>	Mast. KUMAR SANDIP	867268	5175538	24040045	24076741	Serum Creatinine	Normal	Medical Oncology Ward	1/25/2024 12:17:55 AM	1/25/2024 12:17:55 AM	1/25/2024 12:33:59 AM	1/25/2024 2:22:01 AM	1/25/2024 2:22:01 AM	2	On Time	
<input type="checkbox"/>	Mast. KUMAR SANDIP	867268	5175538	24040045	24076741	Serum Creatinine	Normal	Medical Oncology Ward	1/25/2024 12:17:55 AM	1/25/2024 12:17:55 AM	1/25/2024 12:33:59 AM	1/25/2024 2:22:01 AM	1/25/2024 9:44:18 AM	2	On Time	
<input type="checkbox"/>	Mast. KUMAR SANDIP	867268	5175538	24040045	24076741	SGPT	Normal	Medical Oncology Ward	1/25/2024 12:17:55 AM	1/25/2024 12:17:55 AM	1/25/2024 12:33:59 AM	1/25/2024 2:22:01 AM	1/25/2024 2:22:01 AM	2	On Time	
<input type="checkbox"/>	Mast. KUMAR SANDIP	867268	5175538	24040045	24076741	SGPT	Normal	Medical Oncology Ward	1/25/2024 12:17:55 AM	1/25/2024 12:17:55 AM	1/25/2024 12:33:59 AM	1/25/2024 2:22:01 AM	1/25/2024 2:22:01 AM	2	On Time	

Save

Print

Cancel

Exit

Download

Count : 1767

000116S058

In This report user can see the TAT of each service based on define in the service master. Users can Filter it on Profile and Test. Users can see the TAT for a Day | Week | or month by client the respective button and the date criteria.

End of Document