

SagloSoft®

User Manual

Version 1.0



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CHAPTER 1: Introduction to SagloSoft:

Overview:

“SagloSoft” forms the lifeline of blood related test’s and report’s information management problems from pathology lab and pharmacy college labs and also to ease or replace the burden of paper based record’s system. It is indispensable stepping-stone for organizations. This system facilitates for conducting Customers’ records and monitoring related activities. It abstain malpractices and related issues. Hence to solve these problems need for computerized such system evolved.

The main purpose behind the “SagloSoft” is to provide a comprehensive computerized system, which can capture, collate and record the patient’s blood test reports from these wards and evaluate the impact of the program. It has an environment that will be flexible and will provide ease of work. This standalone application provides facility to create blood reports. It saves time as it is completely computerized and quickly generates reports as per predefined parameters. User needs to just login with specific id and generate the blood tests and reports.

SAGLO Research Technologies has developed this system to facilitate their periodical operations. This system helps in conducting information management issues quickly and can thus help in saving time and the operations carried much efficiently. Hence to summarize with the key features of “SagloSoft” are listed below:

- Easy to use.
- Cost Effective.
- Highly secure.
- Reliable and accurate

System Requirements:

System requirements for any application are necessitate hardware and software component. System requirements are most commonly seen listed as nominal and advised requirements. The nominal system requirements need to be met for the smooth functionality of the application on the system, and the advised system requirements, if met, will offer better application utilization. This application necessitates installation at client side. This application requires some basic system requirements. Such as:

Operating System: Compatible with Microsoft Windows 2000; Microsoft Windows XP; Microsoft Windows 2003; Microsoft Windows Vista; Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10 and not compatible with operating systems such as: UNIX; Linux and Mac OS X Lion.

Database: SQL server has been used for database maintenance.

Administrator: A user with administration privileges to the application.

User: A general login id designated to Organizations’ official.

Saglo Research Equipment: The device captures images from the microscopic view of blood samples.

Usability:

1. "SagloSoft" is a standalone application that provides facility to capture the image & video of blood sample and create, manage and store the information about blood test and reports.
2. Administrator holds the privilege to create and monitor tests and reports.
3. The application can be used in pathology labs and pharmacy college's labs. There are no restrictions that administrator/ end user has to be same to monitor.

Type of User:

There are primarily two types of Users of this application Such as:

Administrator: The Administrator is the special user who can not be deleted or removed from the system. The administrator can add or remove other users.

End user: One who will be accessing the "SagloSoft", such user is allowed to create another user and monitor customer information, and financial statements.

Installation Instructions:

There is certain installation required at client side. The complete functionality of the software depends on the obtainable appropriate installation process. This program comes packaged as an executable file, which Windows uses to install the application. While most executable files install similarly on all Windows versions, there are a few differences. For example, you'll encounter fewer operating system security features when installing an executable file on Windows XP compared with Windows 7, as well as minor differences in installation setups and button placement. It is presumed that User of this software has complete knowledge of the application prior to using this.

Steps are as given below:

1. Double-click the .exe file. Click "Run" if prompted by the security pop-up box. Select which features you wish to install with the program, if any are offered, such as Internet toolbars or free trial utilities.
2. Choose where on your computer you wish the program to install, such as "Program Files" or "My Documents." Click "Next."
3. Read and choose which options to include with the installation of the program and click "Next." For example, a picture viewing program may prompt you to check which picture files to automatically open with the program. Start Installation process.
4. Click "Finish" and restart your computer if prompted.

CHAPTER 2: Getting Started with SagloSoft:

User Management Instructions:

1. This software introduces the first module i.e. End User.
2. This module exhibits end user the path of login into the system with the provided password. Here the end user's details have been saved in the database; and can be influenced.
3. The end user is privileged with various authorities such as: Admin functionalities, Reports generation, Tools etc.
4. Second Module explains the rights and duties of the end users. In this module end users can login to the system only after the administrator assigns specific login Id and password.

Starting SagloSoft:

This section quickly describes getting started with "SagloSoft" is a standalone application and saves a lot of time of the end users. It is platform independent software so runs on Microsoft operating system and is under testing on other operating systems. There is no installation required on server side, but client side installation is mandatory.

End user has been permitted to create, add, tests and reports. Users have been provided with a specific login id and password. The end user simply has to log into the system and monitor tests and reports.

The login screen of "SagloSoft" as shown below:



Figure 1.1 User Interface Screen.

Login details:

The login screens are identical for end users. The ideal password should be 6-20 character and one capital letter, one special character, one numerical. The screen below explains it in better manner:

Figure 1.2 Login Screen.

Table 1.1: User Login

Label Name	Field	Description
User Name	Text Area	User Name of end user.
Password	Text Area	End user has to enter a specific predefined password at the time of it's creation.
Login	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	To exit from the login screen.

*

Chapter: 3 Home Screen

This screen displays the home screen of the application. On this home screen the user will be having the dashboard'. The following is the home screen:



Figure 1.3 Home Screen.

On dashboard the end user will be having all functional controls at a single place, from which the end user can navigate where he wants to.

Chapter: 4 Patient Menu

This menu provides the patient related options. The following is the patient menu screen:



Figure 1.4 Patient Menu Screen

The patient menu provides options to create a new patient detail, to view patient list report, and to view the patient list.

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Chapter: 5 Patient Details

This module explains the creation of patient details by the end user. This module contains the fields where the details for the new patient should be entered by the end user. The following is the patient details screen:

SAGLO Soft. - [Patient Information]

File Patient Master Partical Size Analysis Micro Image Processing Settings Help Logout

Options Add Test

New Patient Search Patient

Patient Name

Patient Information

Patient Name

Address

Age

Contact No.

Gender

Referred By

Examination Req.

Specimen

Technician

Pathologist

Date

Test Details

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Figure 1.5 Patient Details Screen.

Table 1.2: Patient Details

Label Name	Field	Description
Add Test	Submit Button	This submit button helps to add the test on the present blood sample.
Patient Details		
Patient Name	Text Area	End user has to enter patient's name.
Address	Text Area	Patient's address has to be filled in.
Age	Text Area	Patient's age has to be entered in this field.
Contact No	Text Area	An appropriate contact detail of the customer has to be filled.
Gender	Drop Down	End user has to select the patient's gender.
Referred By	Drop Down	User has to select the name of doctor who has referred for the pathology lab for tests.
Examination Required	Text Area	User has to select the appropriate check in time, customer has arrive for the event or function.
Specimen	Text Area	User has to enter the name of specimen .
Technician	Text Area	User has to select the name of technician.
Pathologist	Text Area	User has to enter the name of Pathologist.
Date	Drop Down	The date on which the the record is getting generated will be get selected automatically.
Print Test	Submit Button	The test report for the test results will be generated.
Save	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	These submit button is used to exit from the screen.

Chapter: 6 Patient List Report

This module explains the generation of patient list report to be done by the end user. This module contains the fields where the details for generation of report between particular dates to be filled. The following is the patient list report screen:

From Date: 01/11/2016 To Date: 11/12/2016 **Generate**

test

Dr Name : Dr. test Address : tst

SR#	Patient Name	Address	Age	Contact No	Date
10	abc	def	23	9876543210	22/11/2016 8:01:30 PM
12	qwerty	uiop	21	98798798	23/11/2016 12:43:13 AM

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Figure 1.6 Patient List Report Screen.

Table 1.3: Patient List report

Label Name	Field	Description
From Date	Drop Down	End user has to the date from which he\she wants to generate the patient list report.
To Date	Drop Down	End user has to the date up to which he\she wants to generate the patient list report.
Generate	Submit Button	This submits button is used just to generate patient list report.

The patient list report screen provides the generate report option through which the user will be able to view the list of patients with their basic information.

Chapter: 7 Patient List

This module explains the generation of patient list to be done by the end user. This module contains the fields where the details for generation of patient list to be entered. The following is the patient list screen:

List of Patient ✖

Search By Name From Date 01/10/2016 To Date 14/12/2016 Generate Add Patient

Patient's List

	Id	PatientName	Address	Age	CreatedBy	CreatedOn	ContactNo	Gender	RefDr	ExamRequested	Speciment	Technician	Pathologist
▶	12	qwerty	uiop	21	2	23/11/2016 12:4...	98798798	Male	2	fagghjk	kjihv	rvgnij	jhgkvh
	10	abc	def	23	2	22/11/2016 8:01...	9876543210	Male	2	ghi	jkl	mno	pqr

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Figure 1.7 Patient List Screen.

Table 1.4: Patient List

Search By Name	Text Area	The user has to enter the patient name to sort the list.
From Date	Dropdown	End user has to the date from which he\she wants to generate the patient list.
To Date	Submit Button	End user has to the date up to which he\she wants to generate the patient list.
Generate	Submit Button	This submits button is used just to generate patient list.
Add Patient	Submit Button	This submits button is used to add a new patient record to the system.

The patient list screen provides the list of patients through which the user will be able to view the list of patient records, update, modify, or delete the records.

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Chapter: 8 Particle Size Analysis Menu

This menu provides the transaction options. The following is the transaction menu screen:



Figure 1.8 Particle Size Analysis Menu Screen.

The particle analysis menu provides options to process the image which has been browsed or captured through the saglo device.

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Chapter: 9 Process Image

The end user will select the image for several analysis on it; thus, end user has to browse the image or capture it from the saglo device. Following below is the Image Processing Screen:

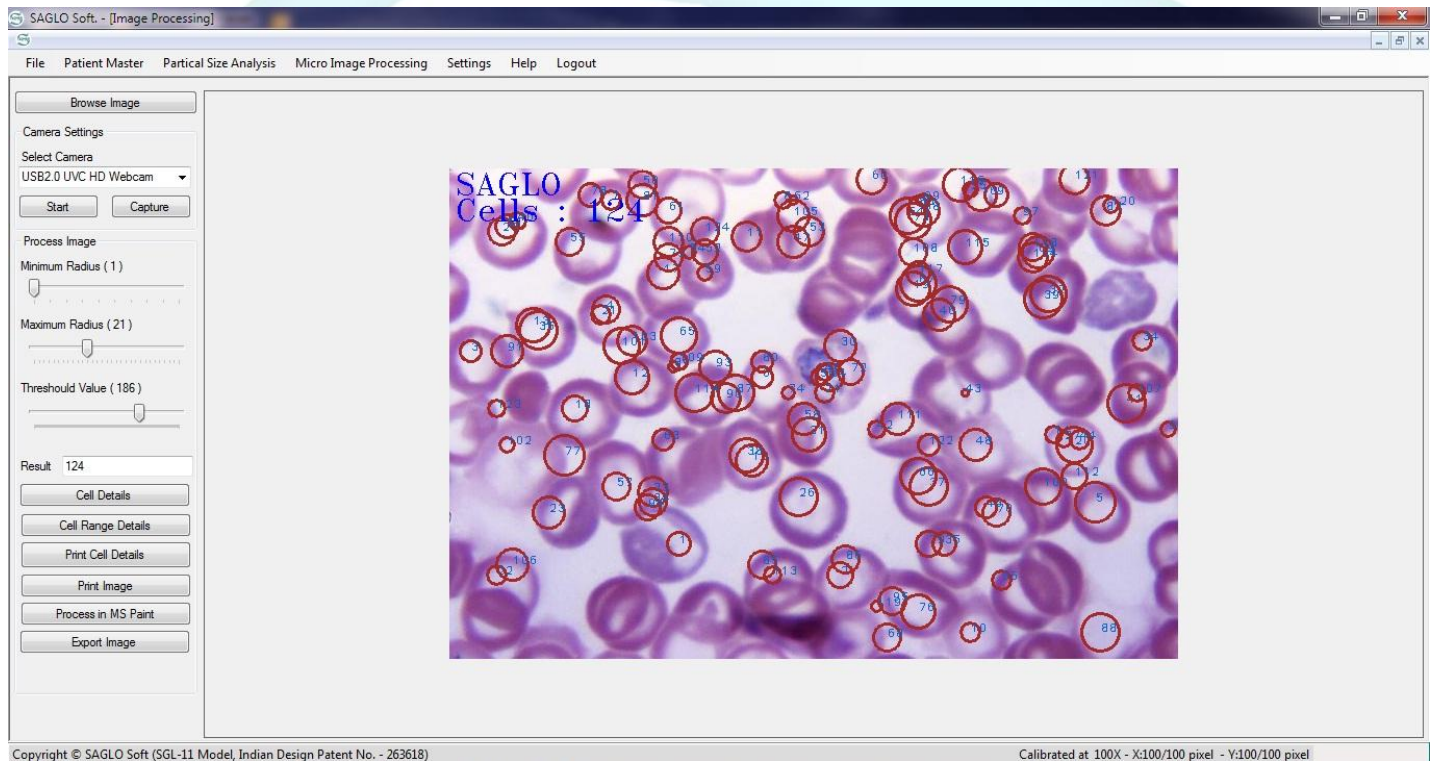


Figure 1.9 Image Processing Screen.

Table 1.5: Image Processing

Label Name	Field	Description
Browse Image	Submit Button	This submit button is used to browse an image from stored loaction.
Camera Settings		
Select Camera	Drop Down	The end user have to select the camera device.
Start	Submit Button	This submit button is used to start the selected camera device.
Capture	Submit Button	This submit button is used to capture the image from selected device.
Process Image		
Minimum Radius	Track Bar	The end user have to set a minimum radius value.
Maximium Radius	Track Bar	The end user have to set a maximum radius value.
Threshold Value	Track Bar	The end user have to set a threshold value.
Result	Text Area	The result after processing the image will be displayed here.
Cell Details	Submit Button	This submit button is used to view the cell details.
Cell range Details	Submit Button	This submit button is used to view the detials of cell ranges.
Print Cell Details	Submit Button	This submit button is used to print the detials about cell.
Print Image	Submit Button	This submit button is used to print the processed image.
Process in MS Paint	Submit Button	This submit button is used to process the current image in Microsoft Paint tool.
Export Image	Submit Button	This submit button is used to export the processed image.

Chapter: 10 Micro Image Processing Menu

This menu provides the transaction options. The following is the transaction menu screen:



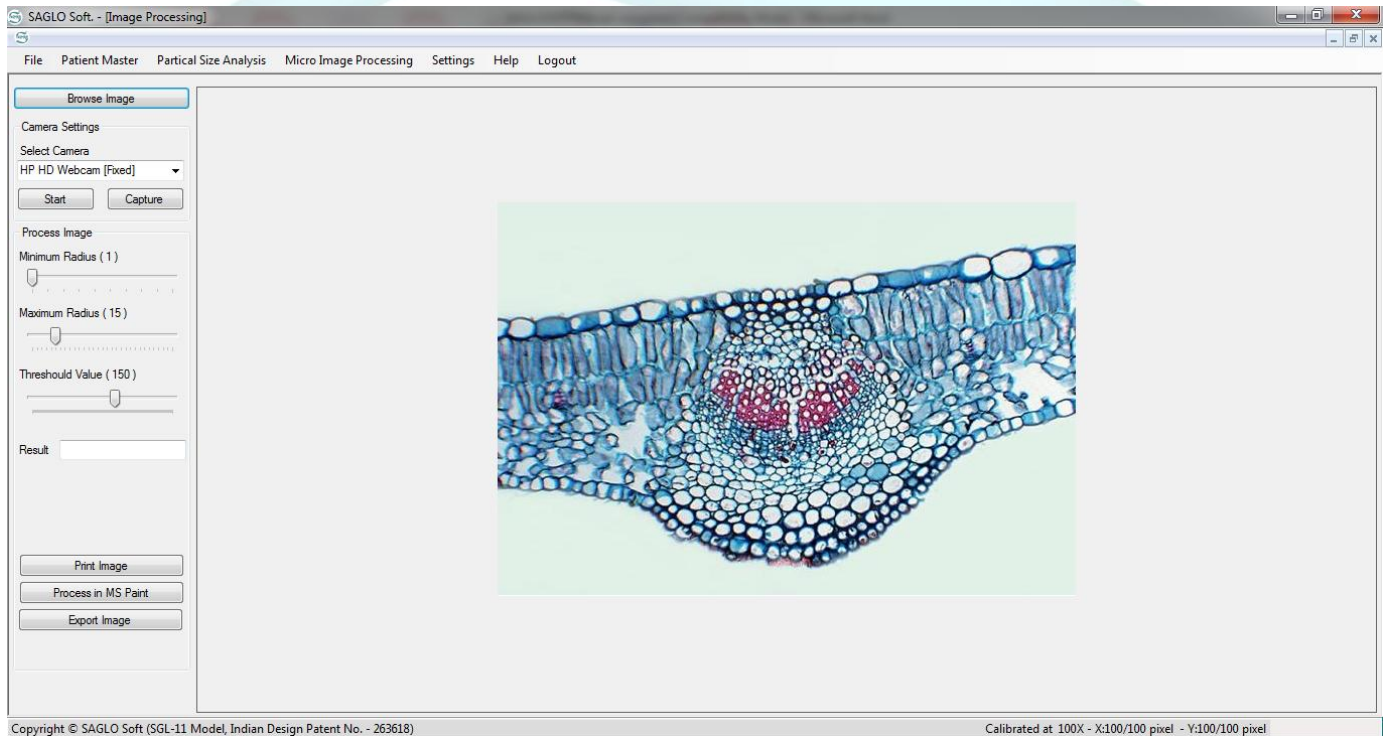
Figure 1.10 Micro Image Processing Screen.

The micro image processing menu provides options to capture an image, to capture a video from by using saglo device or a camera.

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Chapter: 11 Capture Image

In this module, end user can capture an image by using saglo device or a camera. Following below is the Capture Image Screen:



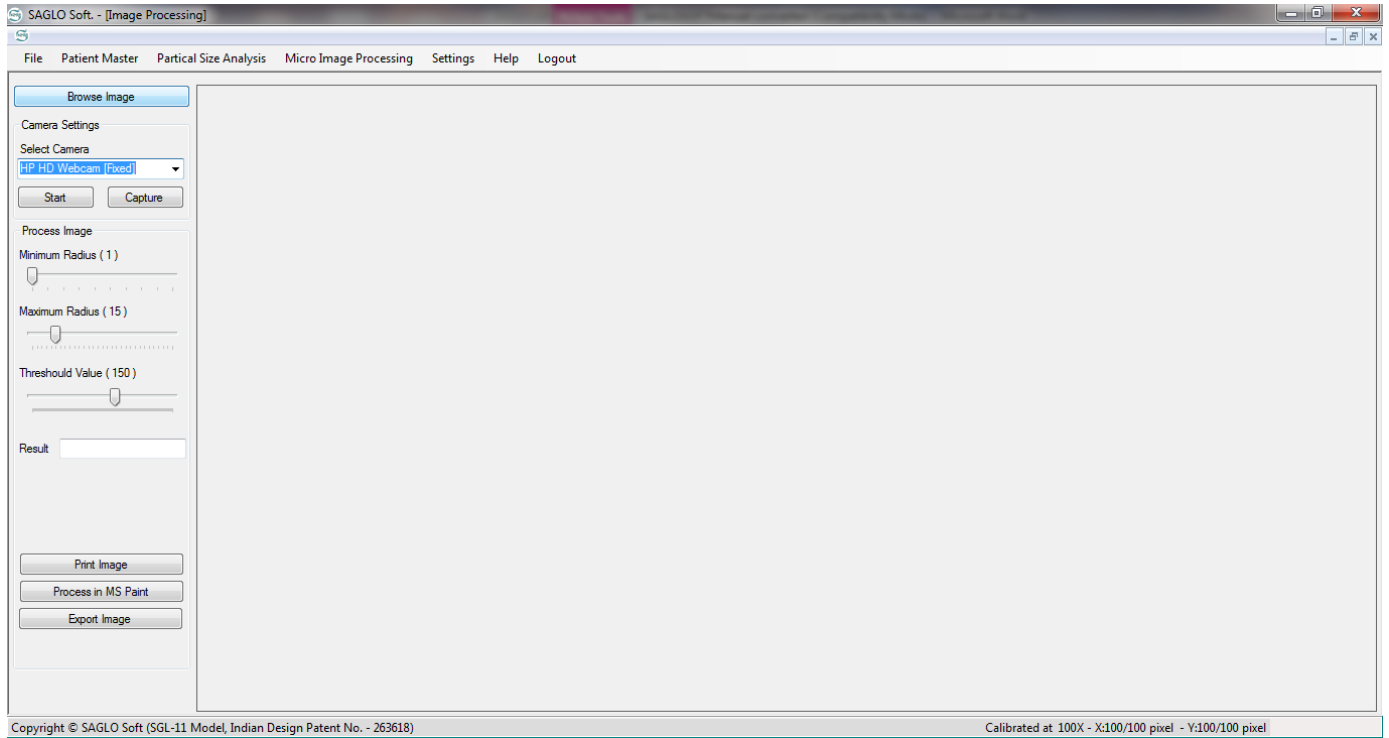


Figure 1.11 Capture Image Screen.

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Table 1.6: Capture Image

Label Name	Field	Description
Browse Image	Submit Button	This submit button is used to browse an image from stored loaction.
Camera Settings		
Select Camera	Drop Down	The end user have to select the camera device.
Start	Submit Button	This submit button is used to start the selected camera device.
Capture	Submit Button	This submit button is used to capture the image from selected device.
Process Image		
Minimum Radius	Track Bar	The end user have to set a minimum radius value.
Maximium Radius	Track Bar	The end user have to set a maximum radius value.
Threshold Value	Track Bar	The end user have to set a threshold value.
Result	Text Area	The result after processing the image will be displayed here.
Print Image	Submit Button	This submit button is used to print the processed image.
Process in MS Paint	Submit Button	This submit button is used to process the current image in Microsoft Paint tool.
Export Image	Submit Button	This submit button is used to export the processed image.

Chapter: 12 Capture Video

In this module, end user can capture an video by using saglo device or a camera. Following below is the Capture Video Screen:

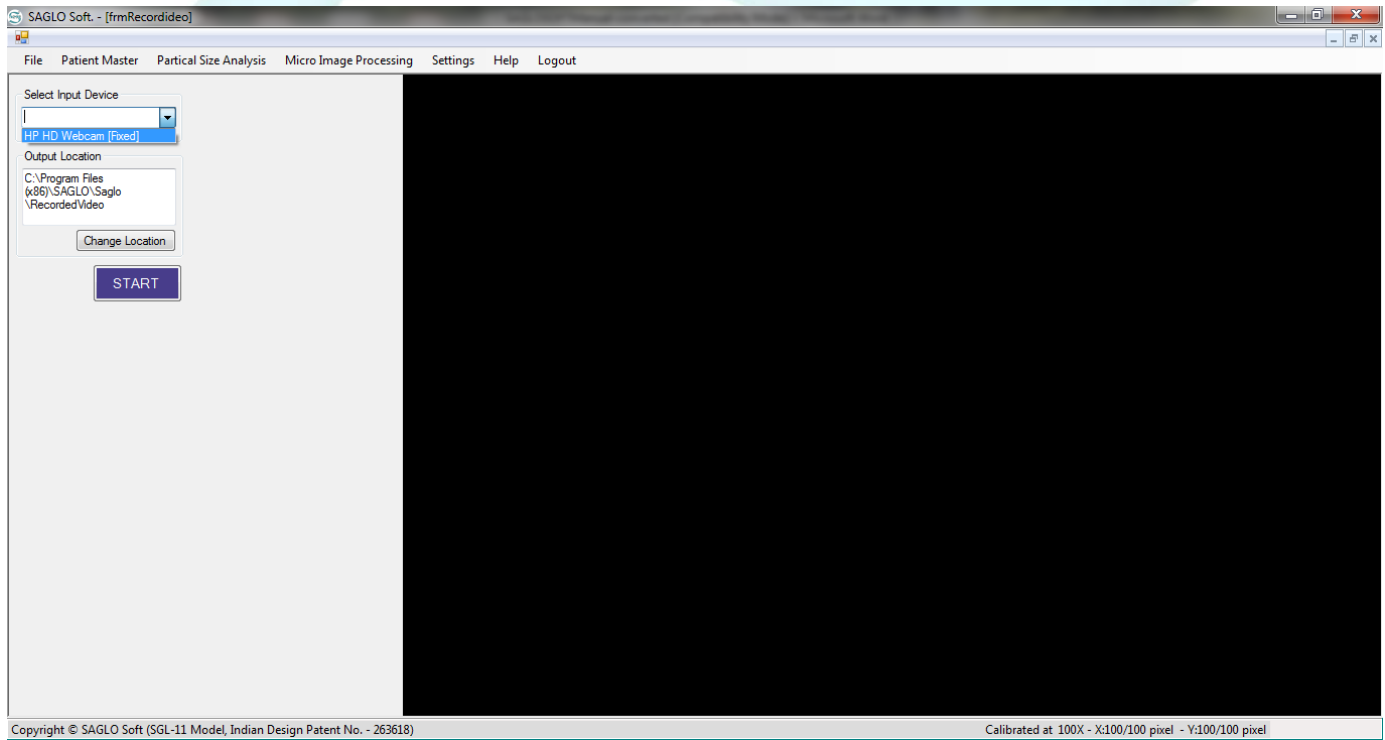


Figure 1.12 Capture Video Screen

Table 1.7: Capture Video

Label Name	Field	Description
Select Input Device	Drop Down	The end user have to select the camera device.
Output Location	Text Area	The output location will display the path where the captured video will be saved.
Change	Submit Button	This submit button is used to change the output location or path as per user's choice.
START	Submit Button	This submit button is used to start the video recording after selecting the camera device and setting the location for saving the video.

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Chapter: 13 Settings Menu

This menu provides the setting options. The following is the settings menu screen:

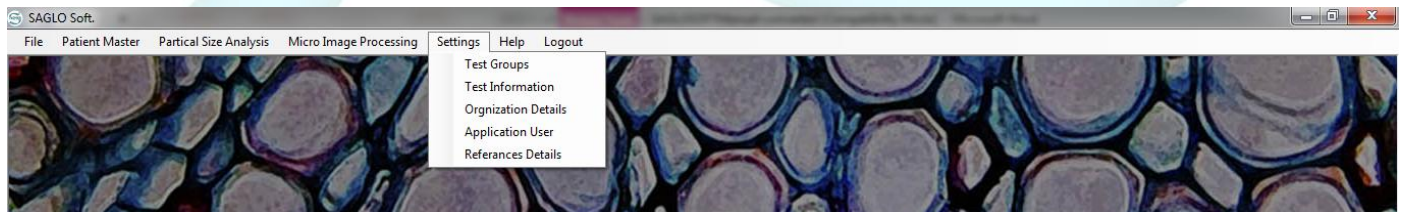


Figure 1.13 Settings Menu Screen.

The settings menu provides options to create a new test group, a new test information, a new user, a new reference detail, and take a backup of database. It provides the facility to store the information of an organization in brief.

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Chapter: 14 Test Groups

In this module, end user has to create the new test groups. Following below is the Test Groups Screen:

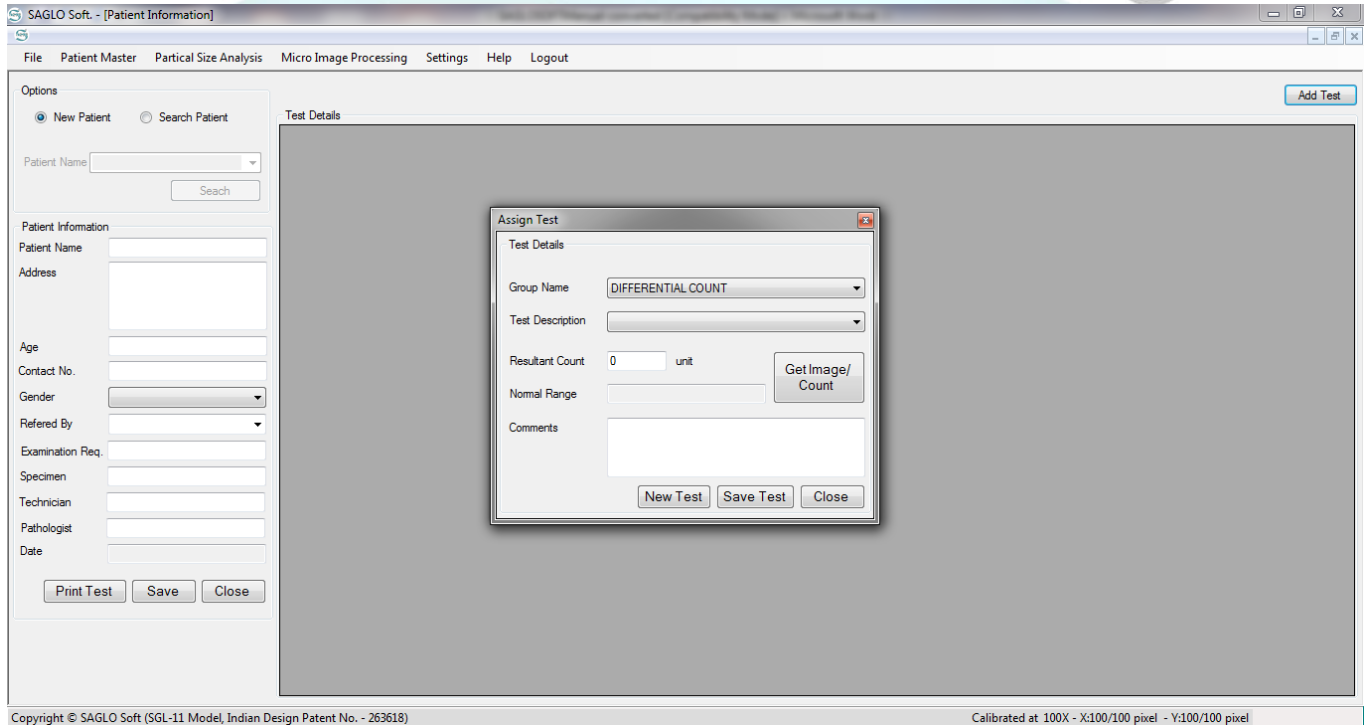


Figure 1.14 Test Groups Screen.

Table 1.8: Test Groups

Label Name	Field	Description
Group Details		
Group Description	Text Area	End user have to enter the description about the new group that is he/she is going to create. i.e. Group Name.
Save	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	This submit button is used to exit from the screen.

Chapter: 15 Test Information

In this module, end user has to fill up the information about the test groups. Following below is the Test Information Screen:

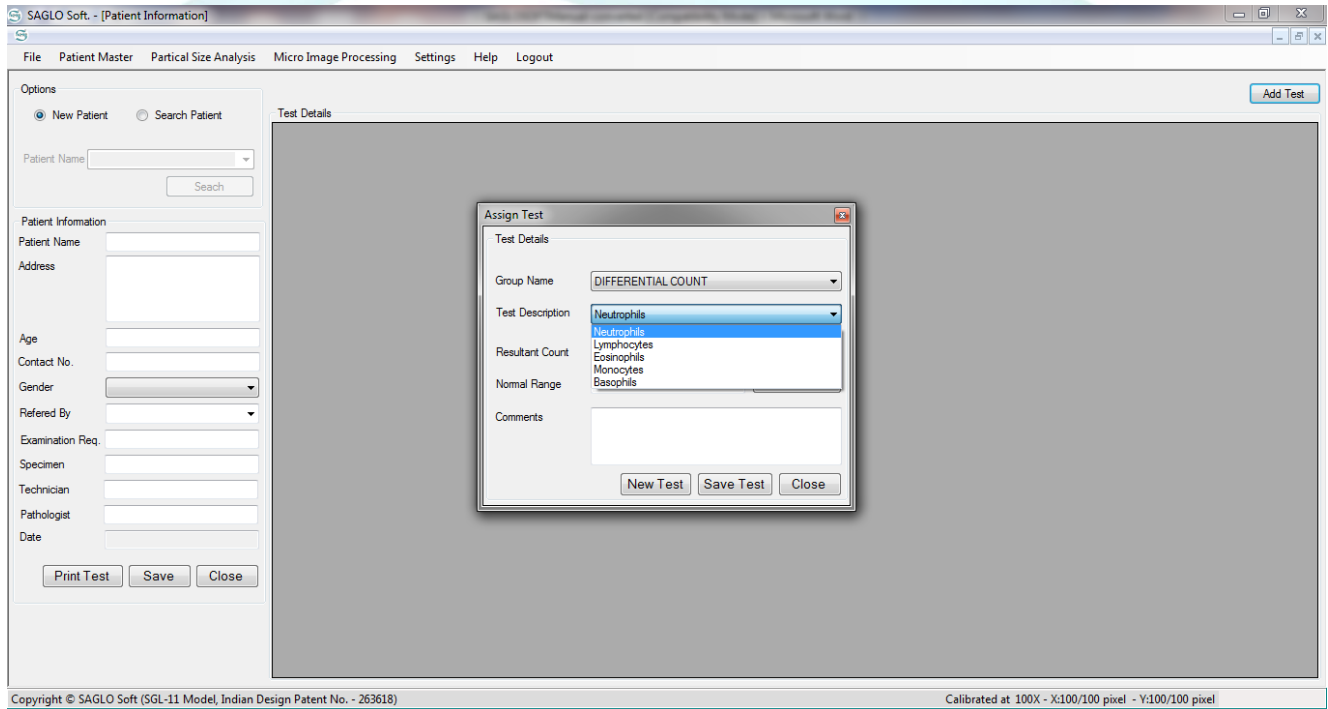


Figure 1.15 Test Information Screen.

Table 1.9: Test Information

Label Name	Field	Description
Test Details		
Group Name	Drop Down	The end user have to select the group name into which he wants to add the new test.
Test Description	Text Area	End user have to enter the description about the new test that is he/she is going to create. i.e. Test Name.
Result With Unit	Text Area	End user have to enter the balue of result with unit in percentage.
Normal Range	Text Area	End User have to enter the normal range for test results.
Save	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	This submit button is used to exit from the screen.

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Chapter: 16 Organization Information

This module explains the creation process of Organization Information. The following is the Organization Information screen:



Figure 1.16 Organization Information Screen.

Table 1.10: Organization Information

Label Name	Field	Description
Organization Name	Text Area	End user has to enter Organization name.
Address	Text Area	End user has to enter address of organization.
Owner Name	TextArea	End user has to enter the name of organization's owner.
Save	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	This submit button is used to exit from that screen.

Chapter: 17 System User

In this module, end user has to create the other end users' profile. Following below is the System User Screen:

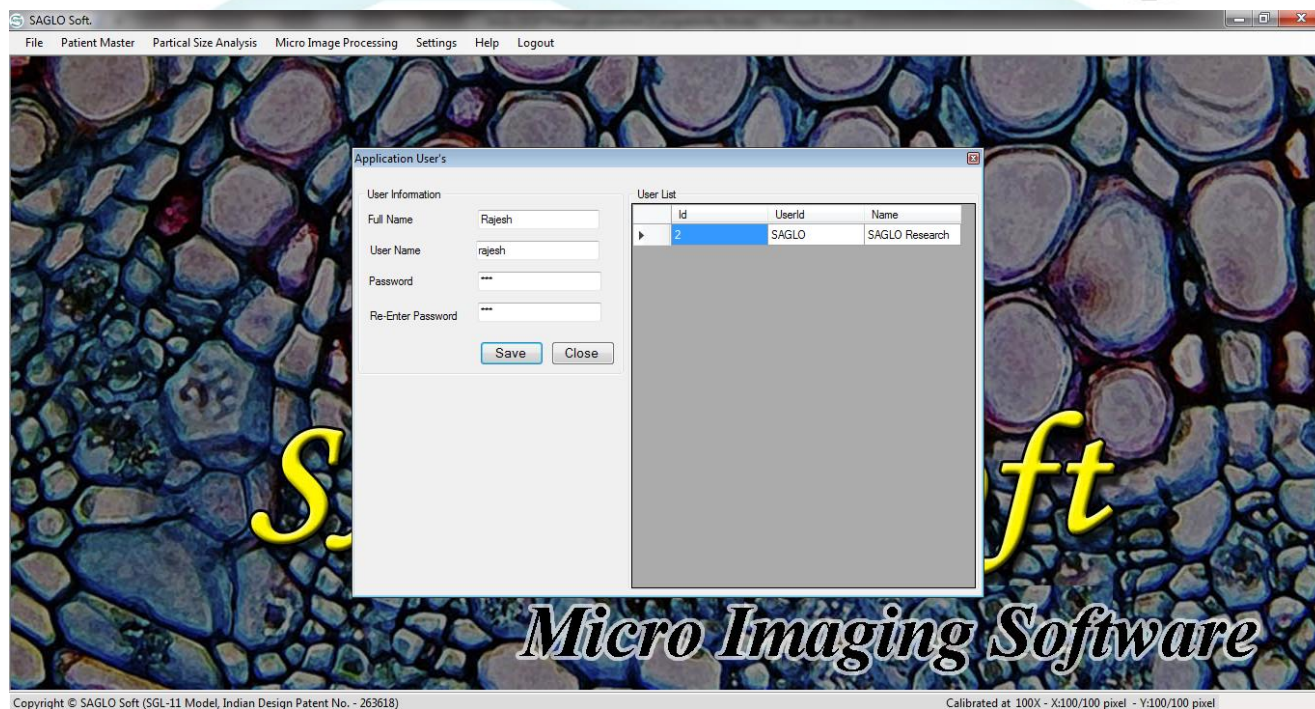


Figure 1.17 System User Screen.

Table 1.11: System User

Label Name	Field	Description
Full Name	Text Area	Name of the User.
User Name	Text Area	End user defined alphanumeric value can be inserted in the text box provided.
Password	Text Area	End user has to enter a specific predetermined password.
Re-Enter Passwoed	Text Area	Perviously entered password has to be retyped.
Save	Submit Button	This submit button used just to save the details filled up.
Close	Submit Button	This submit button is used to exit from the screen.

Chapter: 18 Reference Details

Here, end user has to add the reference details. This is required to know that from which doctor patient has got the organization's reference. Following below is the Reference Details Screen:



Figure 1.18 Reference Details Screen.

Table 1.12: Reference Details

Label Name	Field	Description
Doctor Information		
Doctor Name	Text Area	End user has to enter the name of doctor.
Address	Text Area	End user has to enter the address of doctor's clinic/hospital.
Save	Submit Button	This submits button used just to save the details filled up.
Close	Submit Button	This submit button is used to exit from the screen.

Chapter: 19 Take Backup

In this module, end user can create backup of database at one click. Following below is the Take Backup Screen:

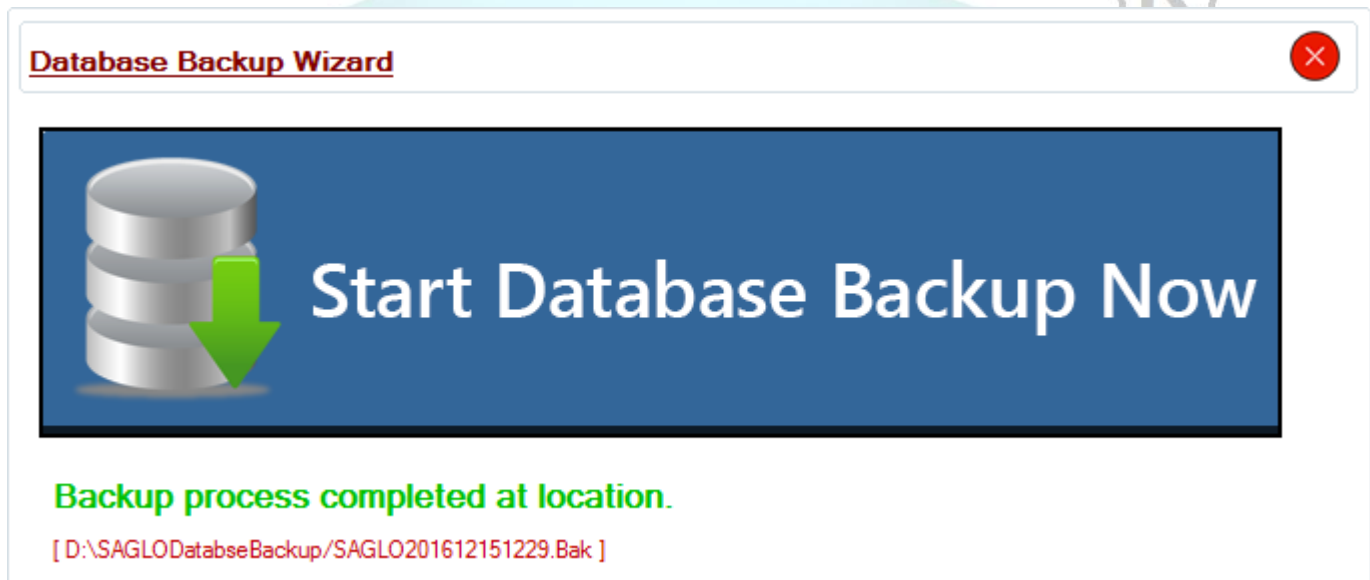


Figure 1.19 Take Backup Screen.

Table 1.13: Take Backup

Label Name	Field	Description
Start Database Backup Now	Submit Button	This submit button is used just to take a backup of the database which is having all the records within it.

Chapter: 20 Help Menu

This Menu provides the options to get a help for any issues related with the software product. The following is the help menu screen:

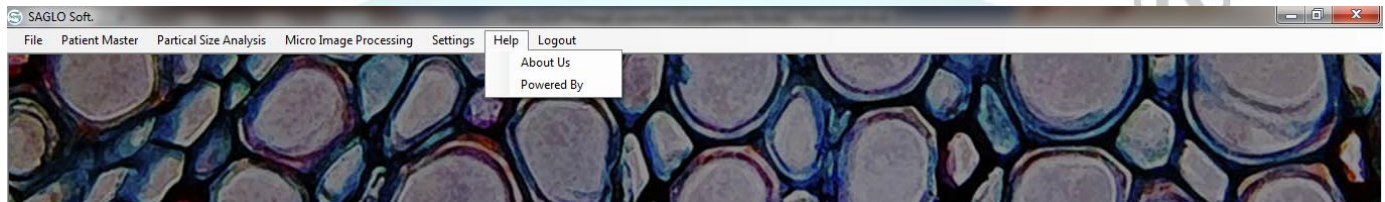


Figure 1.20 Help Menu Screen.

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Chapter: 21 About Us

About us option from help menu provides the brief information about the software providers as explained below with the help of screen:



Figure 1.21 About Us Screen.

Chapter: 22 Powered By

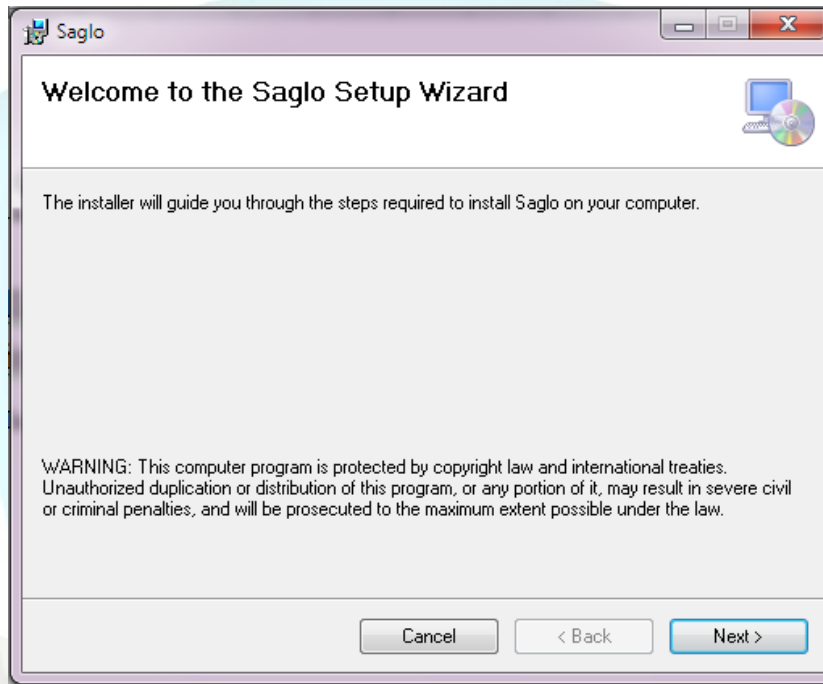
About us option from help menu provides the brief information about the developing side of software product as explained below with the help of screen:



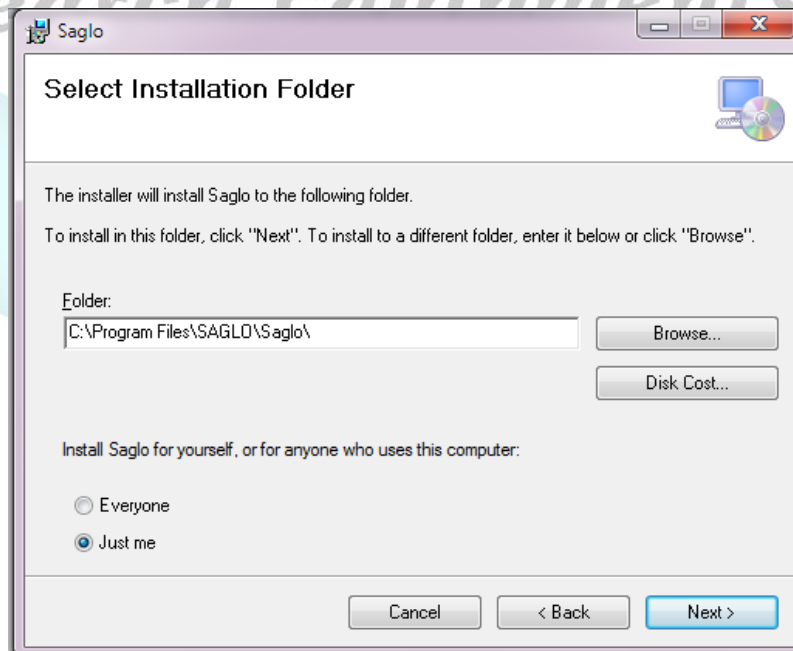
Figure 1.22 Powered By Screen.

Chapter: 23 Software Installation Process

1. Install the driver of SAGLO Soft SGL-11, setup wizard, run SETUP.EXE in the CD, click “Next”, start install. The picture as follows,



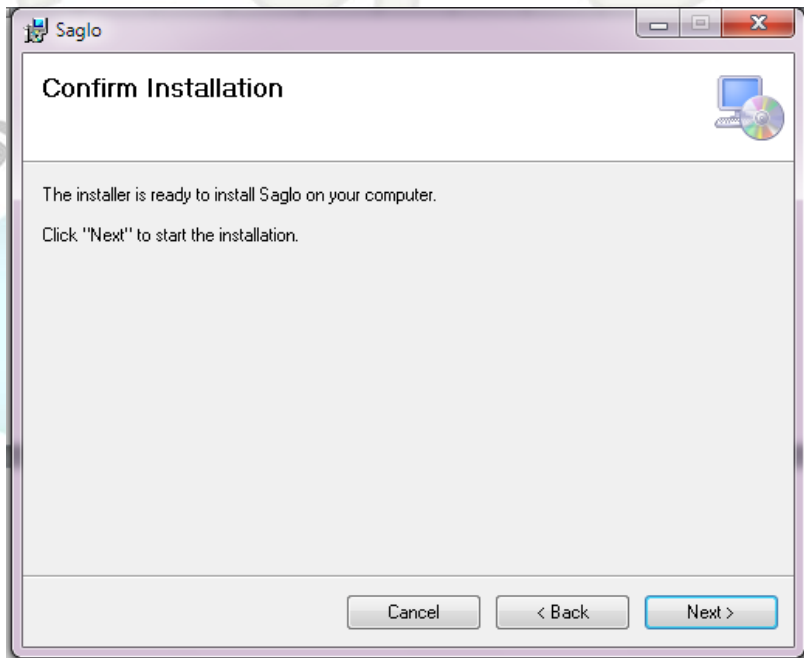
2. Please select “Just Me” and click “Next”.



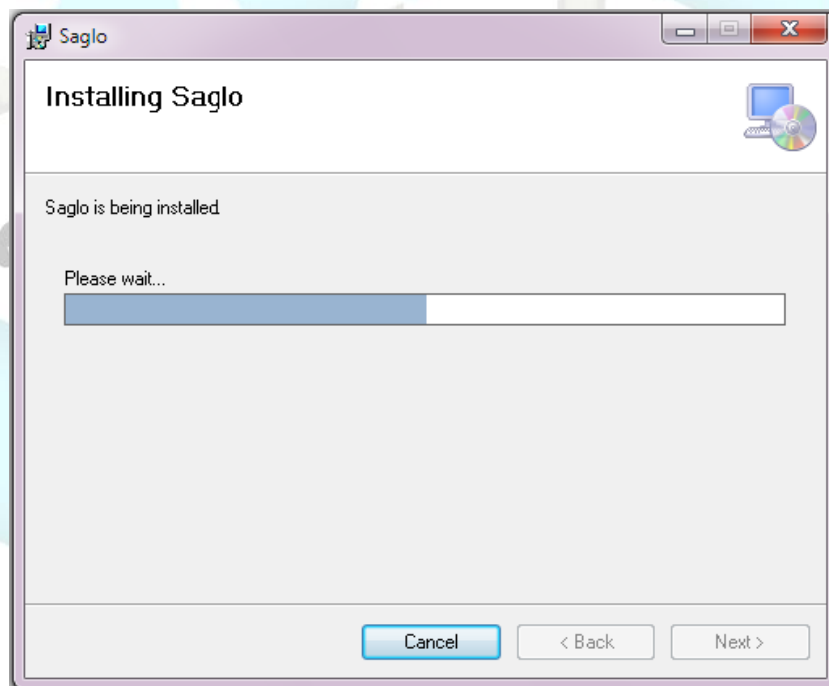
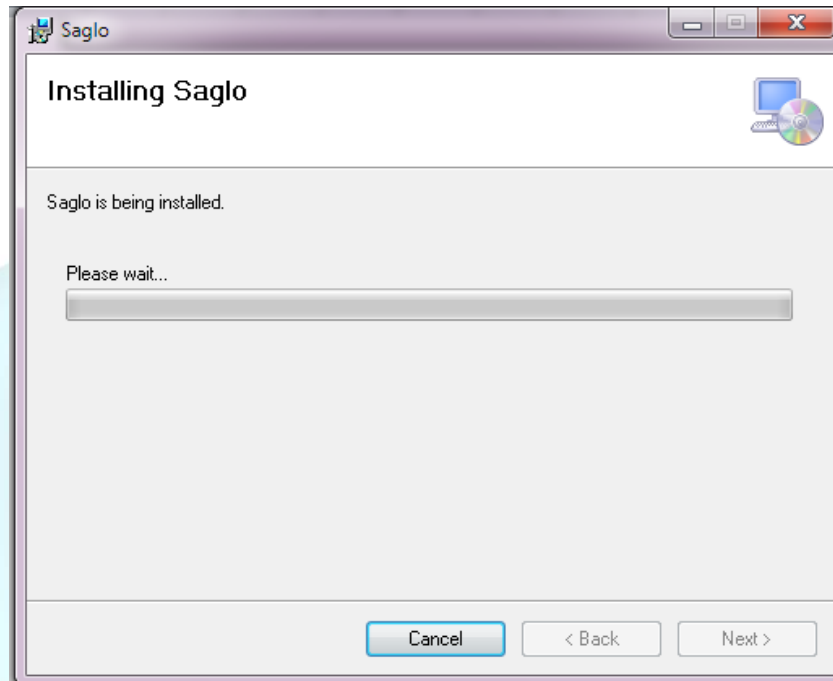
3. Please read the following license agreement carefully. To install driver of SAGLO Soft SGL-11, you must accept this agreement. Please select "I agree" and click "Next".



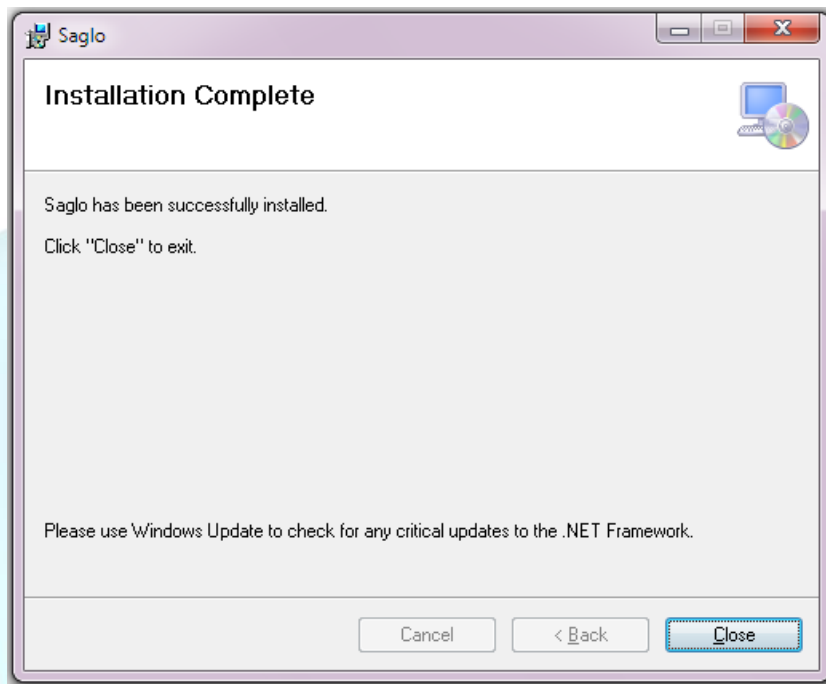
4. Click "Next" to confirm installation.



5. Please wait setup being installed.

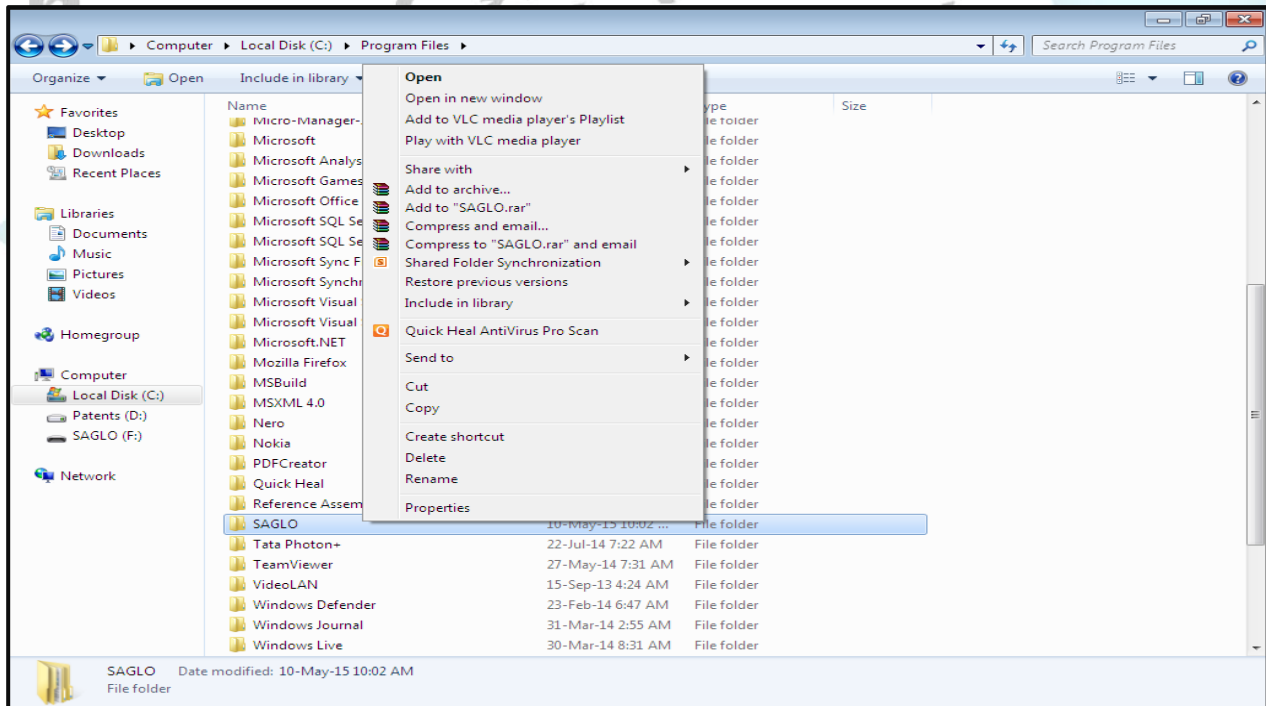


6. Click "Close" to exit.

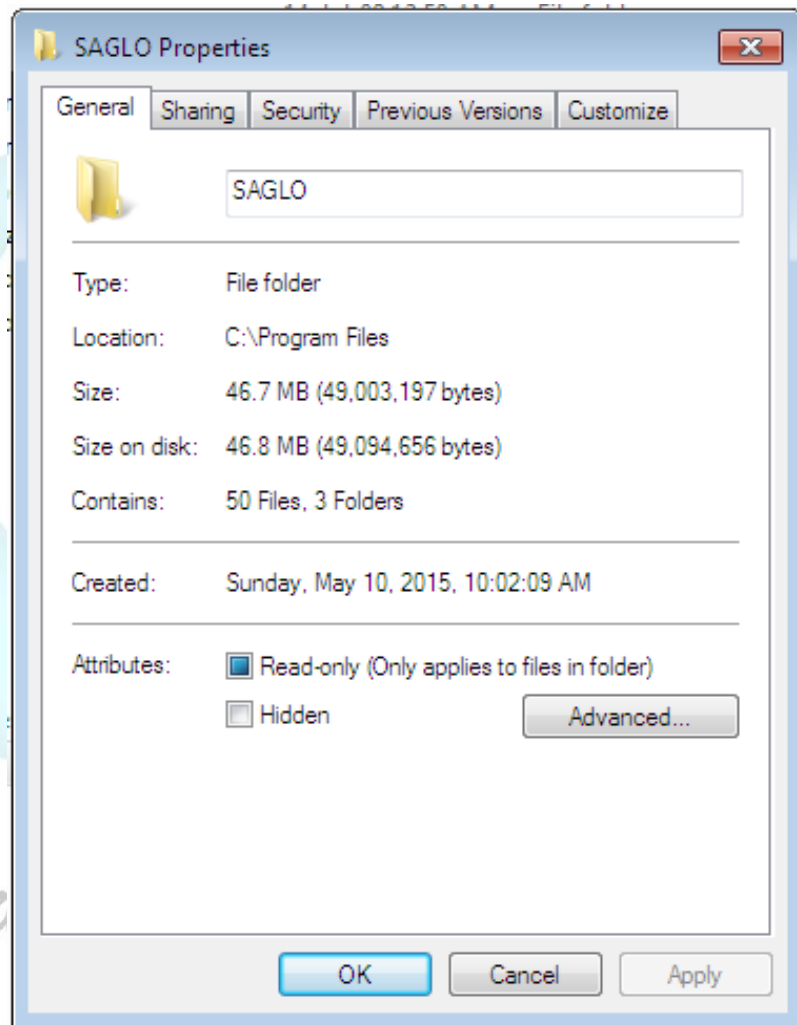


Permission for creator owner

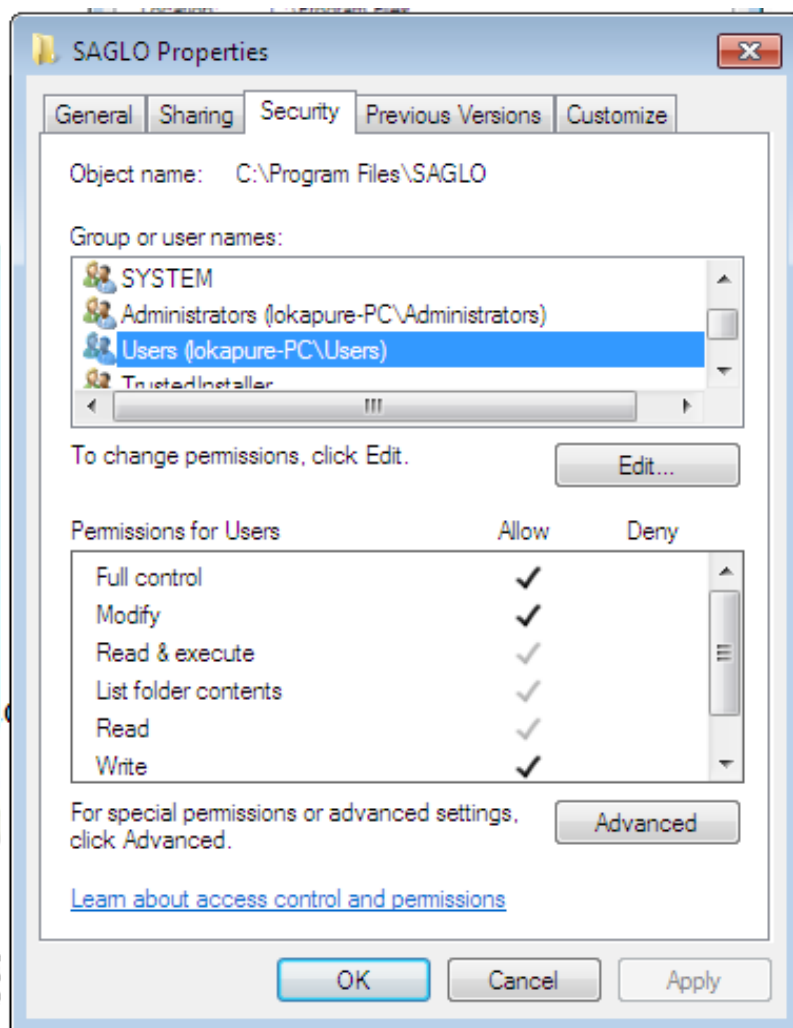
7. It is 2nd step for permission for creator owner please go to C:\Program Files, right Click on SAGLO folder (C:\Program Files\SAGLO) and click on PROPERTIES.



8. Click on SECURITY.



9. Click on USERS PC then click on EDIT



10. After click on EDIT again Click on USERS PC then allow permission for user and press ok.

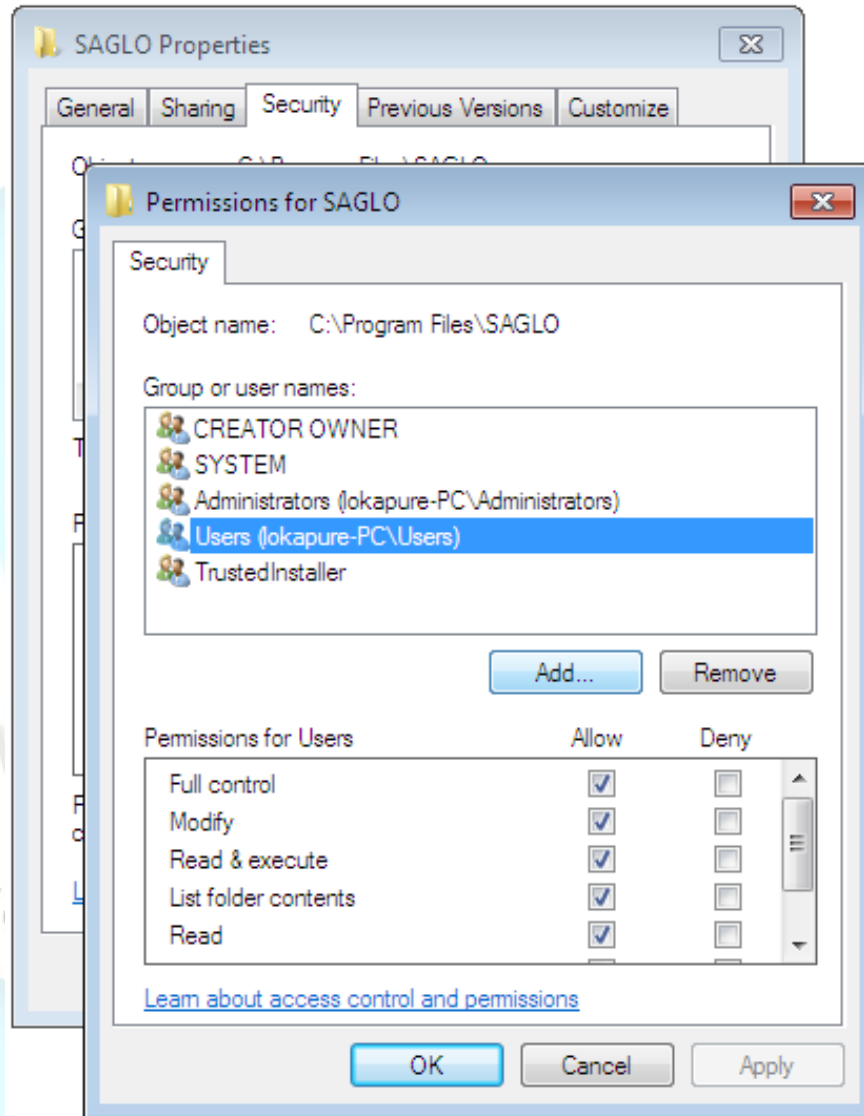


Figure 1.23 Software Installation Process

Chapter: 24 Getting Started with SAGLO® Soft Software

1. Click on Saglo.exe which is located on desktop

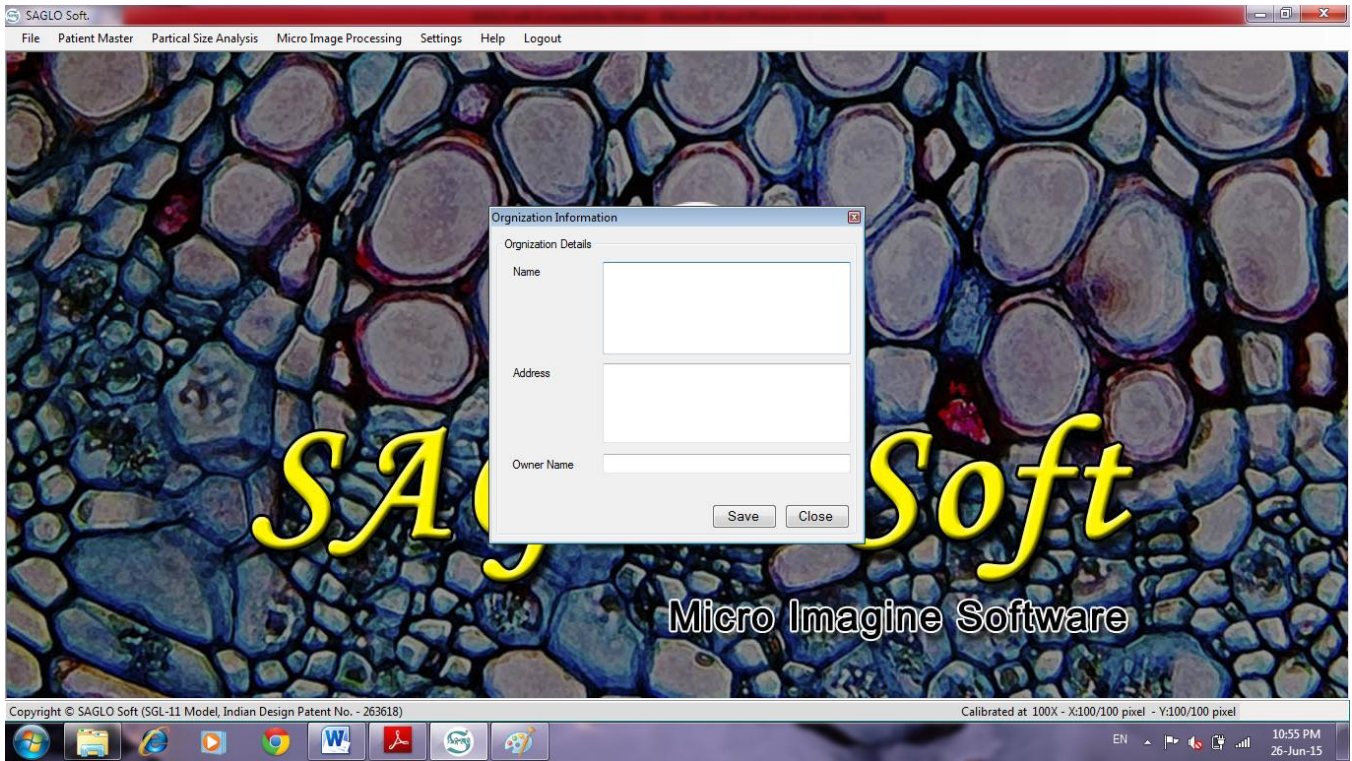


2. Enter valid Username and password.

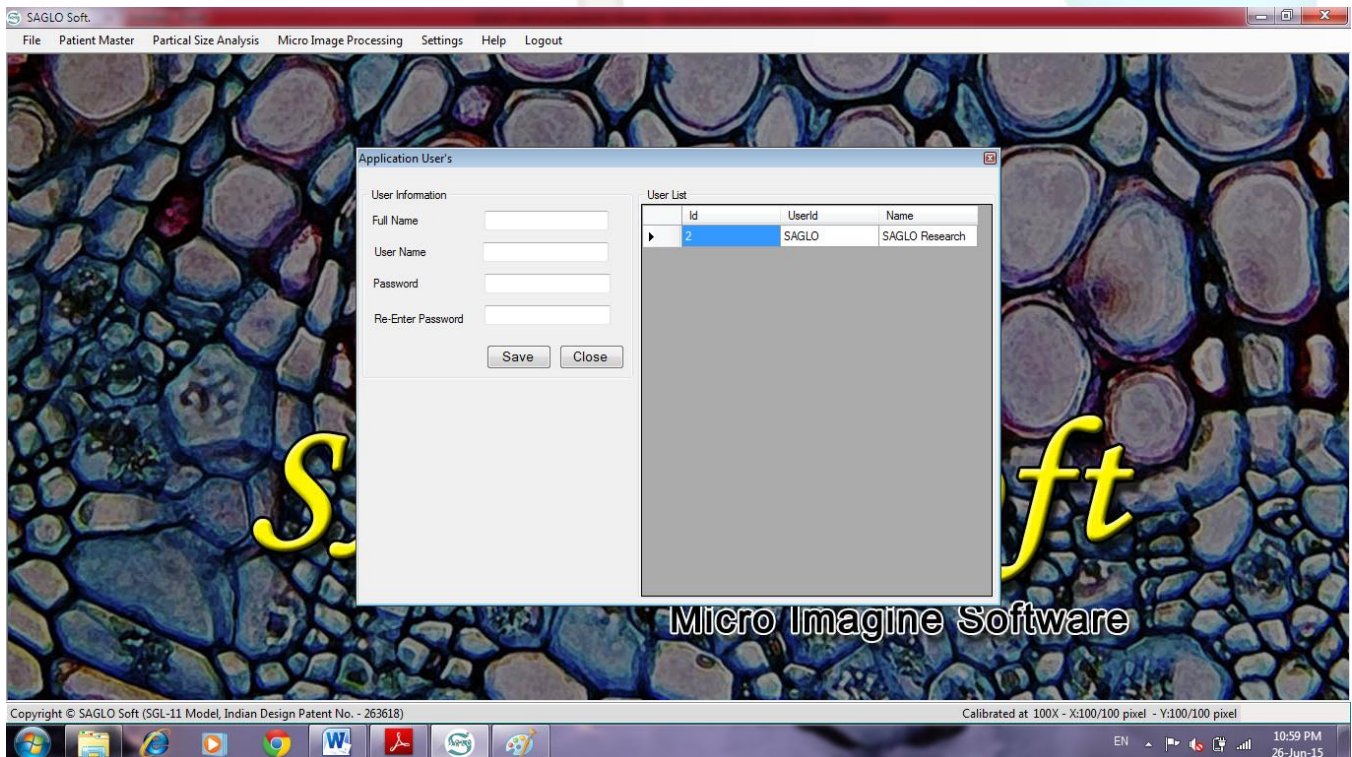
The system has a unique recognition sensors by which it identifies the difference between the administrator and end users. Then accordingly it proceeds to screens. The login screens are identical for administrator and end users. The ideal password should be 6-8 character and one capital letter, one special character, one numerical.



- 3. Click on setting for organization detail and fill the organization.



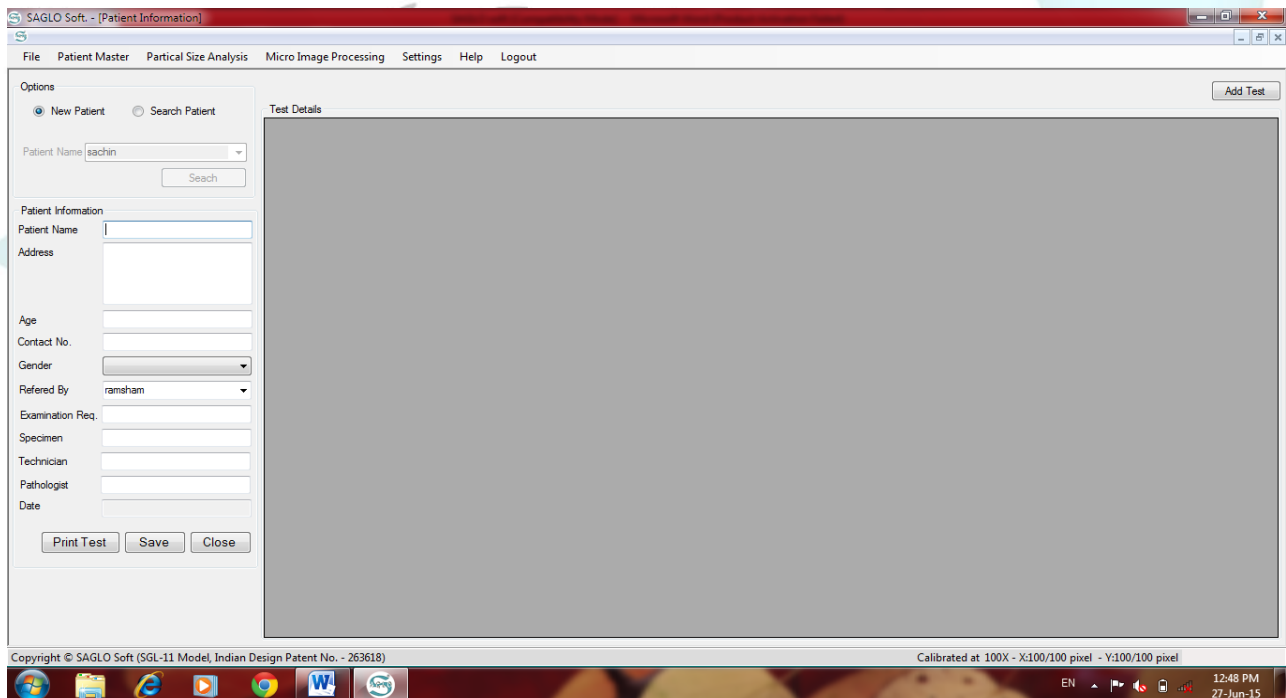
- 4. Click on Application user for multiple users creations. Create own Username and Password.



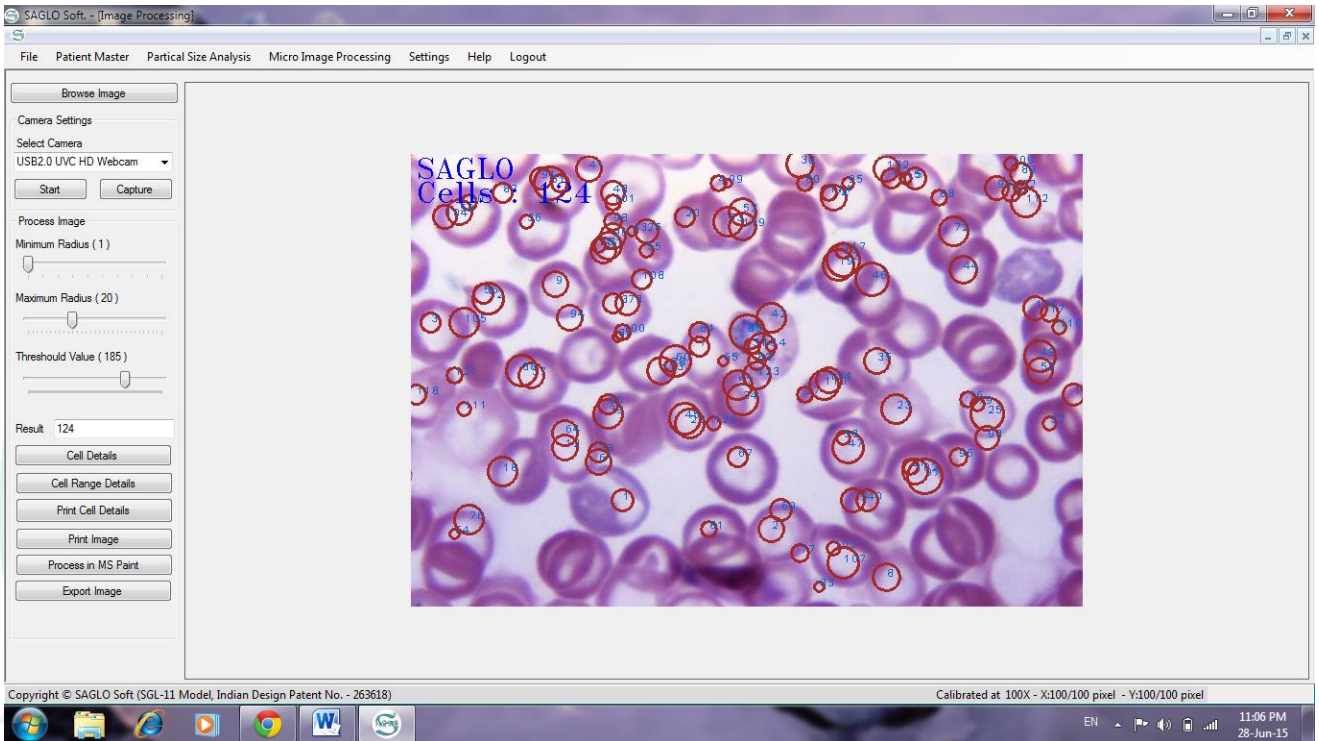
5. Click on file it scroll down to Exit for closing software.



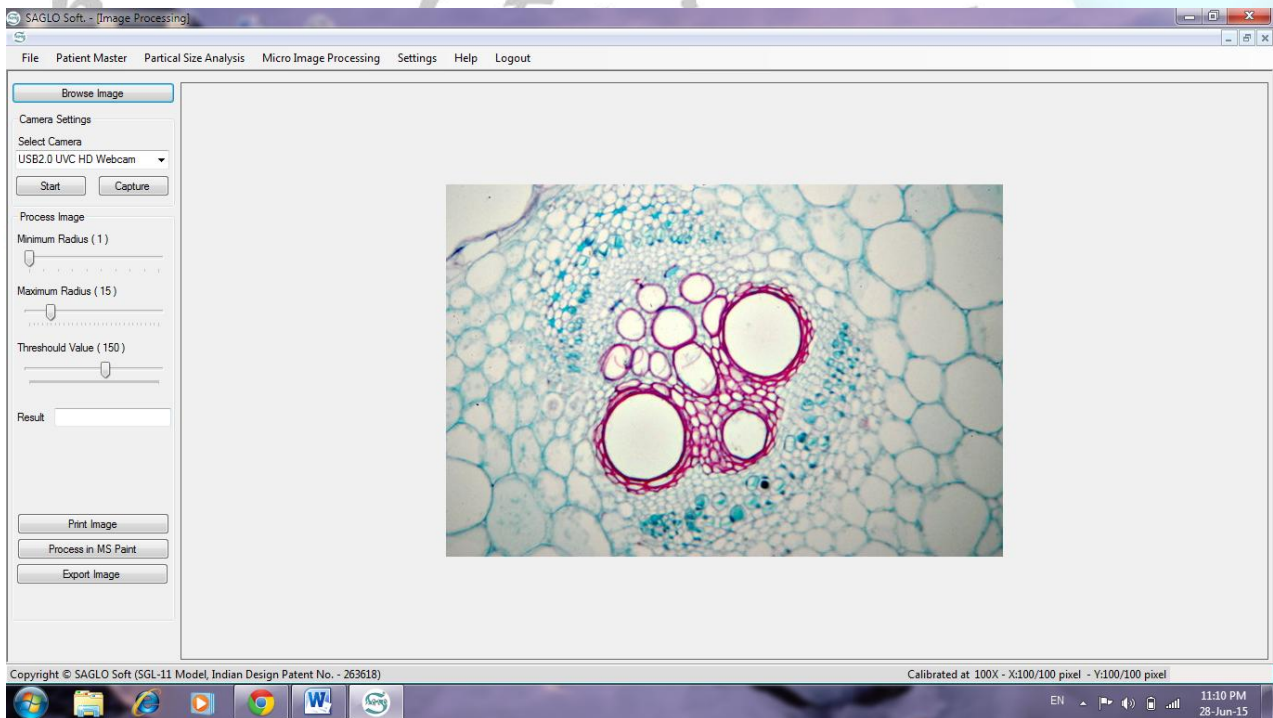
6. Patient master is a tool made for pathology, before operating Patient master tool –add doctor’s reference information in reference detail of setting- save it. Click on Patient master enter new patient entry –save it –go to search patient you get entered patient database – select patient and search it-test detail activated add test according to the requirement.



- Click on particle size analysis – process image-start camera- click capture it adjust min and max radius then threshold value- click on cell detail get complete analysis of particle- click on print for image printing-process in MS paint for labeling the image- export image to save.



- Click on Micro-image processing –start camera –click capture it- adjust min and max radius then threshold value- click on print for image printing-process in MS paint for labeling the image- export image to save.



9. Select input device-click on start button for video recording then click on stop.



10. Click on help-it shows about information of -about us & powered by.



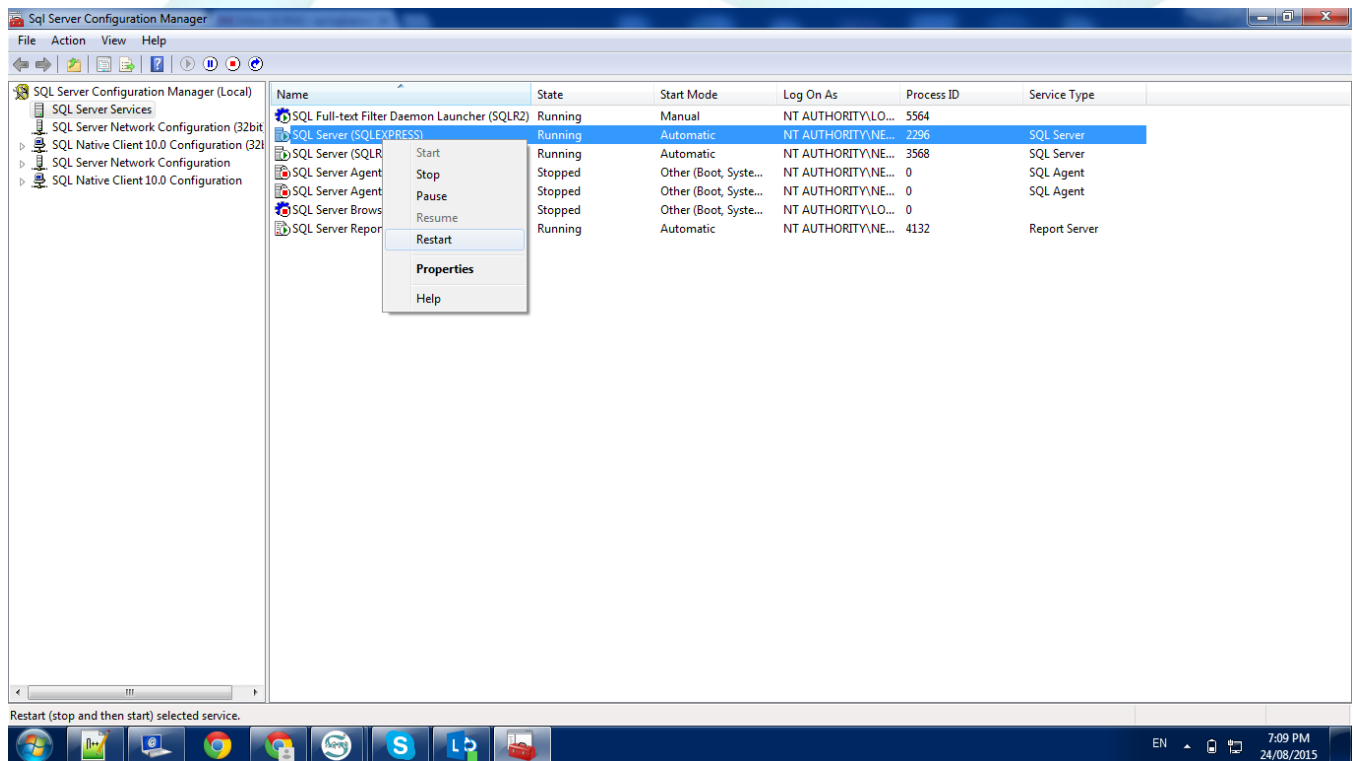


11. Logout-click on logout to stop program temporarily.



Chapter: 25 Troubleshoot

For resolving troubleshooting, go start menu type “SQL SERVER CONFIGURATION MANAGER” and start SQL Server (CSSQL05).



Frequently Asked Questions:

1. What is SagloSoft?

Ans: The SagloSoft is to provide a comprehensive computerized system, which can capture, and record the test's and their report's data from these wards and evaluate the impact of the program.

2. How to un-install the software?

Ans: Yes. You can un-install under "Control Panel" through "Add and Remove Programs".

3. Can I re-install the software?

Ans: Yes. You need go to "Control Panel" and through "Add and Remove Programs" software can be re installed.

4. What if a user forgets the password?

Ans: In case, if End user forgets the password, admin holds the authority to create a new account and provide the same to that user.

5. Is it compatible with other OS?

Ans: This application works on Windows XP, Windows 7, windows 8, windows10; but is not compatible with UNIX; Linux and Mac OS X Lion.

6. Can I retrieve the database before un-installing?

Ans: Yes. It has Backup facility.

7. Are there any other parameters while generating reports?

Ans: No. There are no other parameters available.

8. How much time is required for installation?

Ans: On an average it would take 10 to 15 minutes for installation process.

Info About Us:

You can contact us:

You may get in touch with us on the following address, email and phone number.

Address:

Factory & Office Plot No. 41, Serve No. 104, MIDC Shah Lulla Mahanagar Trituya 3rd, Savali, Miraj, Maharashtra 416410, INDIA.



WhatsApp

(+91) 9890650506

YAHOO!
MAIL

saglo.research@yahoo.com

facebook

<https://www.facebook.com/sagloresearch/>



<https://play.google.com/store/apps/details?id=rv6249.myapplication&hl=en>

