

SITRA's Lab Information Management System



*need to handle...
test requests, samples,
test status, work flow,
authorization, payments
& reports...*

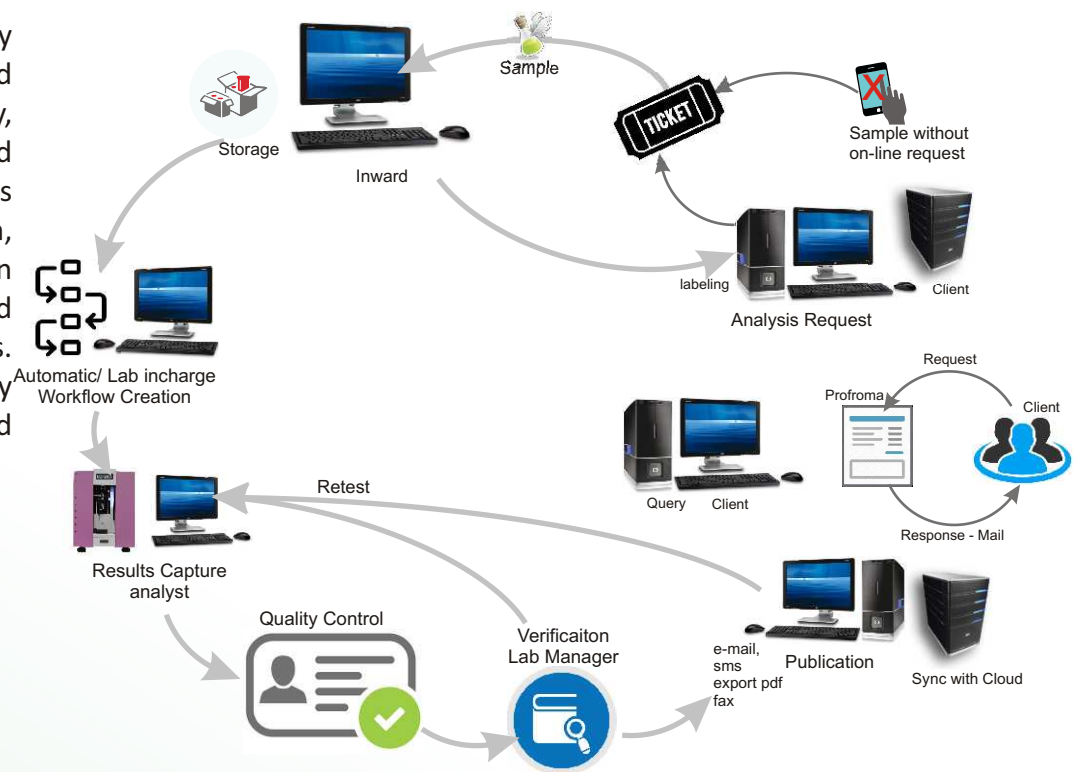
...go for SITRA LIMS



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In the era of technology that we live in, handling huge number of test requests, samples, test status, work flow, authorization, payments & reports with out time delay and complications it is inevitable to have an efficient web based software in order to make testing in various business activities more competent and viable.

LIMS, allows to effectively manage samples and associated data to improve lab efficiency, automate workflows, and integrate instruments. It is basically a hybrid application, partly on-premises application for LAN users and cloud based application for external users. LIMS application is seamlessly integrated with ERP and cloud based applications.



Salient Features

- ✓ Track samples throughout their lifecycle from client side and within organization at each stage.
- ✓ Estimation of accurate turnaround time starting from sample receipt using token system as in hospitals to reporting of results to clients.
- ✓ Automatic scheduling to different equipment queues with provision like re-schedule and retest options. (Same test may be assigned to multiple instruments and multiple instruments with the same test.)
- ✓ Expected date and time of completion of testing based on sample flow and estimated time for testing.
- ✓ Email and SMS communications wherever necessary.
- ✓ Publishing results based on payment.
- ✓ Barcode printing integration
- ✓ Payment gateway integration
- ✓ Results reporting fully configurable – descriptive report/value based report. It is possible to attach machine printouts wherever necessary.
- ✓ Client side two different type of users - Registered user separate dashboard and one time customer separate dashboard.
- ✓ Software works with the hierarchy – Organisation -> Department -> Lab
- ✓ It is a generic model, configurable business logic without programming.
- ✓ It is a role based application. Separate dashboard for different type of roles
- ✓ Integration to Instruments, enterprise software applications and mobile devices. Software fetches data from heterogeneous databases using XML mappings.
- ✓ Hybrid software – separate portal for external stakeholders and local intranet application for organization users.
- ✓ Software is also available as an android mobile application.

Data Integrity and Security

Audit History

Ensures data integrity with audit history detailing who, what, when and why for all events in the system.

Access and Security

Fully secured with passwords and role based access to various screens in the system.

Inward No.	Dispatch No.	Date	Request No.	Customer	Location	Collected By	Status	Upload Letter	View	Edit	Delete	Access Code	Feedback Status
F1901757		15-06-2019		Sree Sathyanarayana Spinning Mills Ltd	TANJAVUR	SITRA-CBE	Inprogress					32139	
Y1901645		15-06-2019		Royal Classic Mills (P) Ltd Unit 2	Dindigul	SITRA-CBE	Inprogress					24126	
F1901756		15-06-2019		Peninsula Spinning Mills	Coimbatore	Customer	Received					20409	
Y1901644		15-06-2019		Mohan Spintex India Limited Unit - 1	KRISHNA DIST	SITRA-CBE	Inprogress					10251	
F1901755		15-06-2019		The Suguna Mills (P) Ltd	Coimbatore	Customer	Received					19064	
Y1901643		15-06-2019		Kumaragiri Spinnexes (P) Ltd	ERODE	SITRA-CBE	Inprogress					26117	
Y1901642		15-06-2019		WFB Band and Company (India) Pvt Ltd	Perumburai	SITRA-CBE	Inprogress					27649	
Y1901641		15-06-2019		Kumaragiri Spinnexes (P) Ltd	ERODE	SITRA-CBE	Inprogress					79690	
Y1901640		15-06-2019		Kumaragiri Spinnexes (P) Ltd	ERODE	SITRA-CBE	Inprogress					27318	
Y1901639		15-06-2019		Nagercoil Mills Private Ltd	NAGERCOIL	SITRA-CBE	Inprogress					25570	

Sample Handling

Sample receipt

Streamlined reception of samples both advance booking and direct receipt at sample room using barcodes. And tracking of samples throughout the entire life cycle.

Test Assignments

Automatic assignment to instrument test or manual scheduling to particular instrument. Track, display and report samples by any criteria recorded in the system.

Work Flow

LIMS have unique work flow capability enable users to quickly build workflows for managing process and automatic decisions.

Category	Count
For Testing	367
For Verification	34
For Publication	9
Total no of samples in the lab	75
No of samples to be returned	2487
No of samples to be disposed	1856

Test Name	Testing	Pending Verification	Publish
Fabric - Air Permeability (ASTM)	1	0	0
Fabric - Count	2	0	0
Fabric - Crease Recovery	1	0	0
Fabric - Ends & Poles (ASTM)	3	0	0
Fabric - Tear Strength (Elmendorf) (ASTM)	83	0	0
Fabric - Tensile Strength (Strip Method) (ASTM)	6	2	0
Fabric - Tensile Strength (Strip Method) (ISO)	4	0	0
Fabric - Tensile Strength (Strip Method) (ISO)	94	0	0
Fabric - Tm	2	0	0
Fabric - Weight (ASTM)	1	0	0

Data Handling

Result View

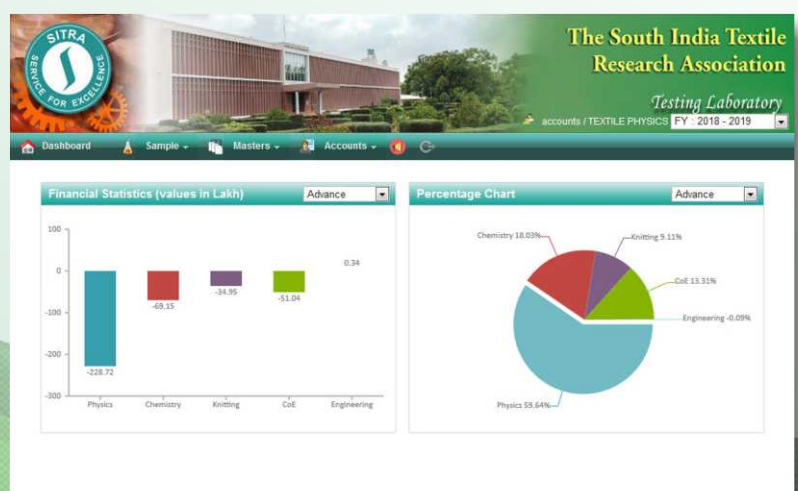
Results may be of two forms either direct values or descriptive type. Extensive report formatting for these two types of results. Separate data processing tool for recording descriptive type of results.

Data Management

Securely archive all forms of raw data according to requirements. There is a separate cloud data environment for customers accessing the details from the software.

Result Retrieval

Secure instrument integration eliminates manual transcription errors and reduces time spent on manual entry and review



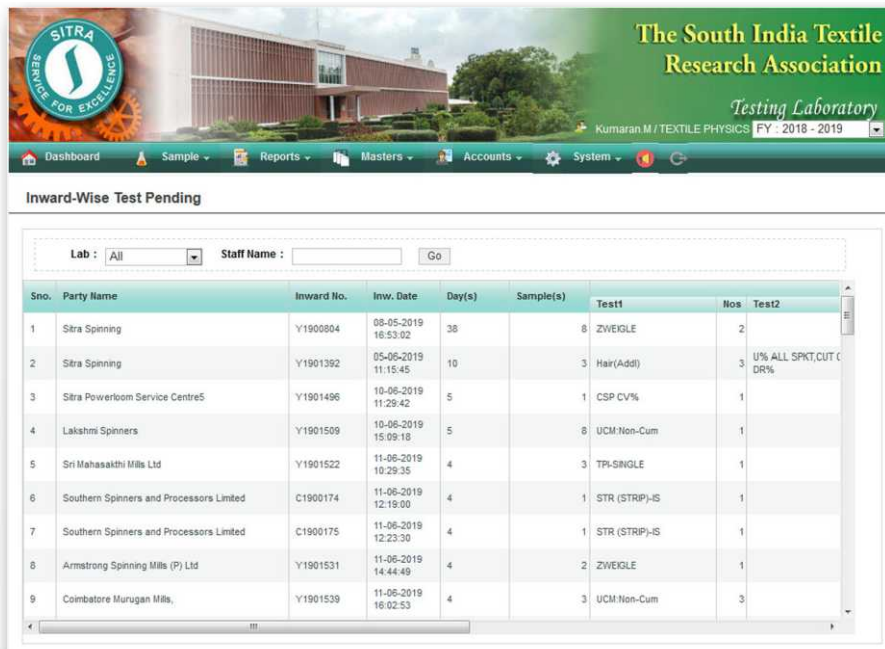
Reporting and Visualisation

Reporting

Data available in the software are presented as actionable information wherever necessary. Automatic report generation in schedules and sent to stakeholders.

Dashboards

- Personalised role based dashboards can be generated with quick snapshot of relevant information
- Displays in various formats like graphs, charts and tables
- Users can drill down to investigate data in detail.



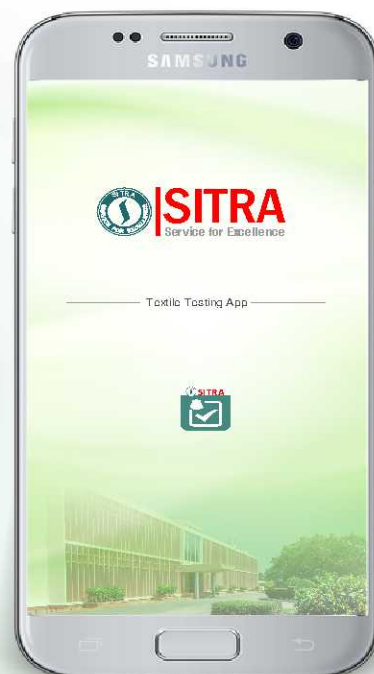
Sno.	Party Name	Inward No.	Inv. Date	Day(s)	Sample(s)	Test1	Nos	Test2
1	Sitra Spinning	Y1900804	08-05-2019 16:53:02	38		8 ZWEGLE	2	
2	Sitra Spinning	Y1901392	05-06-2019 11:15:45	10		3 Hair(Add)	3	U% ALL SPKT,CUT C DR%
3	Sitra Powerloom Service Centre5	Y1901496	10-06-2019 11:29:42	5		1 CSP CV%	1	
4	Lakshmi Spinners	Y1901509	10-06-2019 15:09:18	5		8 UCM-Non-Cum	1	
5	Sri Mahasakthi Mills Ltd	Y1901522	11-06-2019 10:29:35	4		3 TP-SINGLE	1	
6	Southern Spinners and Processors Limited	C1900174	11-06-2019 12:19:00	4		1 STR (STRIP)-IS	1	
7	Southern Spinners and Processors Limited	C1900175	11-06-2019 12:23:30	4		1 STR (STRIP)-IS	1	
8	Armstrong Spinning Mills (P) Ltd	Y1901531	11-06-2019 14:44:49	4		2 ZWEGLE	1	
9	Coimbatore Murugan Mills,	Y1901539	11-06-2019 16:02:53	4		3 UCM-Non-Cum	3	

LIMS Mobile

LIMS mobile app provides customers an easy and secure way to access their test results from any android device.

This app allows to

- Track the status of samples sent for test in various laboratories
- Download m/c printout pdfs wherever applicable
- Receive announcements and obtain the most up-to-date information about advance and pending



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