SITRA's Lab Information Management System

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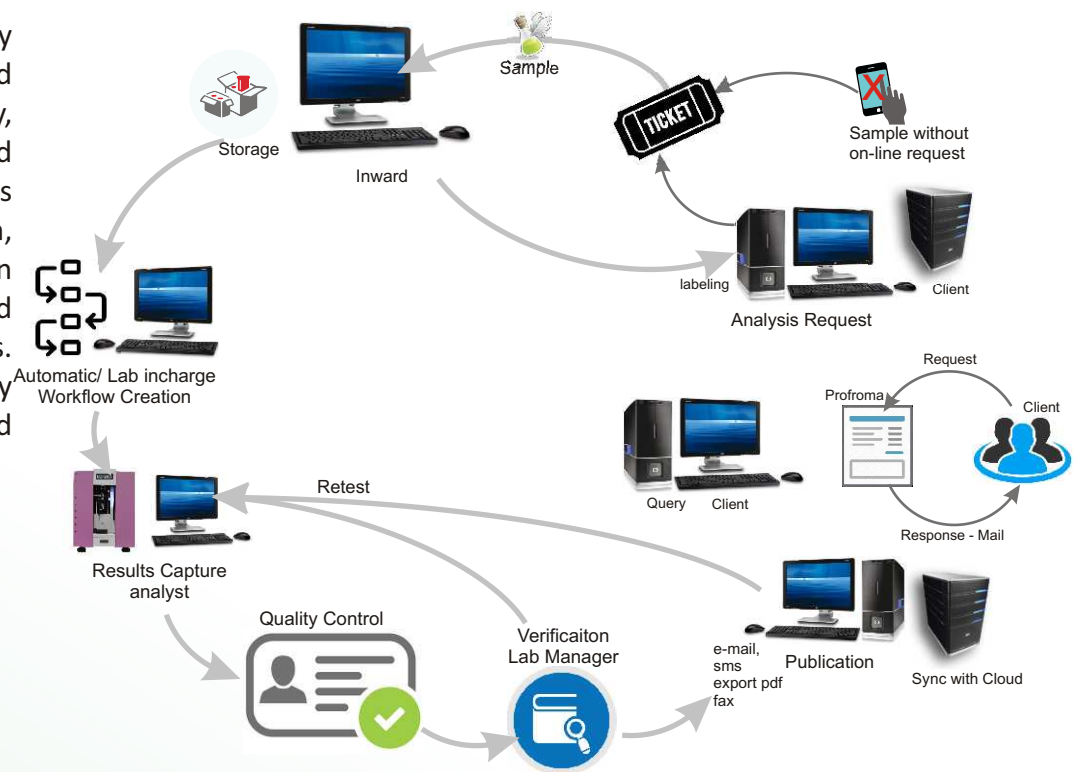*& reports...*

...go for SITRA LIMS

SITRA
Service for Excellence

Textile Testing App

SITRA

Android mobile application
also available

SITRA
SERVICE FOR EXCELLENCE

The South India Textile Research Association
Coimbatore - 641 014

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.

Storage

Inward

Sample

TICKET

Sample without on-line request

labeling   Client

Analysis Request

Automatic/ Lab incharge Workflow Creation

Request

Proforma   Client

Query   Client

Response - Mail

Retest

Results Capture analyst

Quality Control

Verificaiton Lab Manager

e-mail, sms export pdf fax

Publication

Sync with Cloud

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.

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.

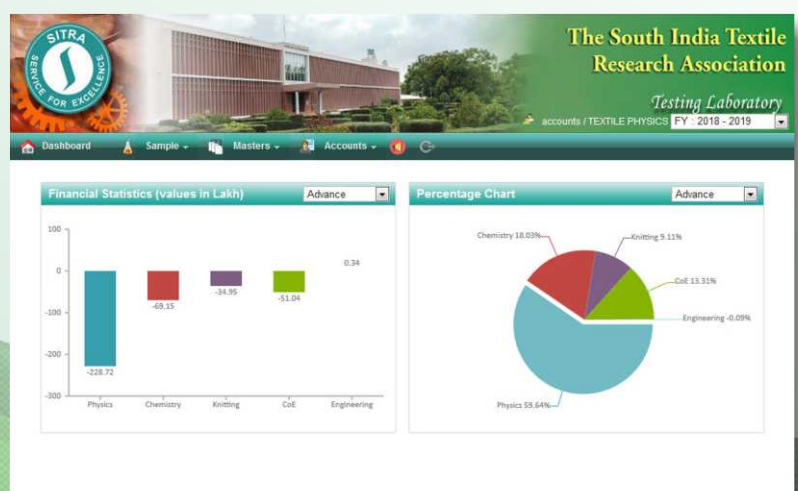
Data Handling

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
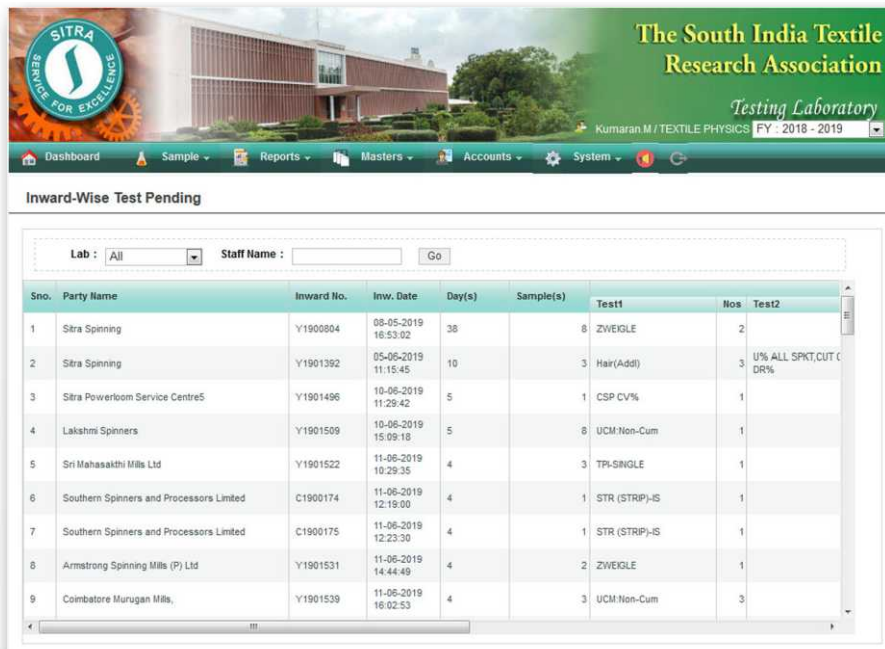
Reporting and Visualisation

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
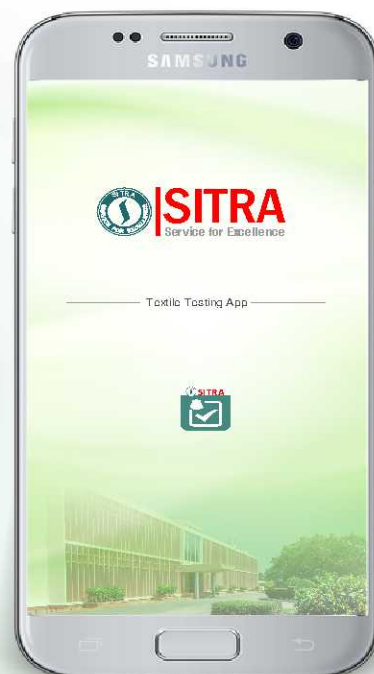
- Users can drill down to investigate data in detail.

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

For more details Contact

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