

NDT – Report System

Customer is a reputed company in India for Non Destructive testings, Material testings, Third party inspection, Consulting services in NDT and Welding Inspection related technologies. Customer is pioneer in Casting Radiography with all other third party Inspection Agencies.



Quality Assurance Industry

Abstract

The application is a platform for the customer to automate the NDT(Non Destructive testing) job testing reports along with the all back office work.

It is a general platform for all the NDT testing companies, from where companies can manage customer/technician details, perform auto job assignment, get real time job progress, perform test result reports, manage invoices, inventory, and wastage of raw materials.

Problem Statement

Our customer is currently using desktop based application which available only from his computer.

There are several drawbacks of the existing system:

- Not available from every machine.
- No real time job updates.
- Support only Radiology testing reports.
- Not able to find wastage of materials.
- Dashboard is not available to know overall idea of business using graphical.
- Auto invoice reminders are not available.

Benefits Delivered

- Employee can update job details from anywhere.
- Job completion cycle is improved by 25%, that means each employee can perform 25% jobs more per day.
- Customer is aware on each Job status easily.
- Zero human error in job result & to generate test report.
- Company owner can easily know staff performance by waste material report.
- Auto invoice generation and reminders.

Challenges & Limitations

- Conceptualization of the application to monetize application with minimal investment.
- Real-time data updates for end user.
- Module based development to install it on subscription bases.
- Microservice based project architecture.
- Dashboard design to meet expectation of every company in same domain.
- Automate the job workflow to minimize manual task handling.



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Aspire Solutions

Aspire established an end to end product development offshore team, starting from the concept building to finished product delivery to support.

- Our Business Analysts got in touch with the customer, understanding the core idea and the main problem we are targeting to solve by the proposed solution.
- Helped the client with "Go To Market" strategy, building a Minimum Viable Product (MVP) and phasing the relevant features.
- Proposed the best-suited technology stack keeping in mind the short-term and the long-term goals.
- Provided jHipster based solution using microservices and module based product development. So, our customer can easily sale out the product to other companies on the subscription basis.
- Provided dashboard to know companies profile/loss, wastage of material, inventory, business growth etc statistics in graphical way.

Technologies Used

HTMLS, C553, SCSS, Bootstrap, Typescript, Angular 4, Websockets, Yarn, Webpack, Bower, Gulp, Browsersync, Protractor, Java 1.8, Spring boot, Spring Security, Netflix OSS, Hibernate, Liquibase, MySQL, Maven, EhCache, Hazelcast, Elasticsearch, ELK Stack, Thymeleaf, Swagger, jHipster.

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It has been a pleasure working with the entire Aspire team. The company is thorough, hard working and devoted to the goals of any given project.

Contact Us



402, Vishwa Complex, Opp. Jain Temple, Navrangpura, Ahmedabad, Gujarat, India - 380009



+91 635 308 6224



sales@aspiresoftserv.com



www.aspiresoftserv.com

Our Service



Product Development



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Digital Transformation



Odoo ERP Development



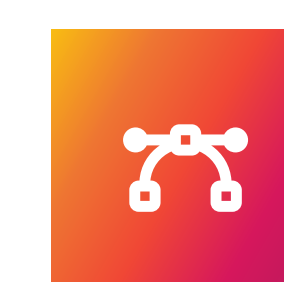
Portal Development



DevOps Service



Staff Augmentation



UI/UX Design