



Industry: Logistics

Technology: .NET, MVC, Tally ERP integration

Country: India

Client Profile:

Express Cargo Movers is a licensed customs house agents and bank approved forwarding agents. The company has been managing a long-lasting association with some of the largest organizations in India and MNCs with personalized and professional services. Express Cargo Movers have offices at various locations in India and each office is housed with a team of 125 highly trained professionals who help their customers with the stringent statutory and administrative needs of excise, customs, and other government agencies involved in import and export activities.

Challenges:

In order to manage all the shipment-related documents, the client was using a Windows-based software called "Visual Impex." They reached us with a requirement to develop a web-based document management system to streamline all of their shipment activities. Experts at KCS analyzed the client's previous system, requirements, and found below challenges:

- The Windows-based software Visual Impex was developed in old and outdated technologies
- Bugs and errors in the previous system interrupted the client's routine business
- As Visual Impex was a Windows-based system, hence remote access of the system was not possible
- The previous system also lacked several features that are necessary for import-export activities
- Visual Impex software also consumed a lot of time in ICE Gate integration
- The previous system didn't have third-party integration for accounting purposes and report generation

Solution

Our experts conducted a comprehensive brainstorming session and concluded that the client needs a whole new web application to modernize their document management system. Here are the solutions we offered to the client:

- We classified the project into four different sections: Document section, ICE Gate Integration, ECMIS Branch version, and ECMIS Tally Connector
- In the document section, users can create a cycle for shipment and fill in all the invoice details for the shipment
- This cycle is then integrated with ICE Gate Client and Debtor portal
- The ICE Gate Integration section generates shipping bills and all flat files for the import and export section
- This section also authorizes all the shipping bills and flat files as per the rules defined by Indian Customs of Central Board of Indirect Taxes and Customs
- ICE Gate Integration section also guide users if any document or file is missing in their shipment
- Application installed at any branches of Express Cargo Movers' office will automatically be synchronized with the headquarter database using ECMIS Branch Version section
- Using this section, the branch users can enter data with limited access to modules and pages
- We replace the financial accounting application with Tally ERP software for all the accounting-related activities
- Experts at KCS used the .NET framework for designing the UI/UX of the web application
- While designing, our experts assured that even a non-technical user can easily operate the web application
- The use of the .NET framework also increased the overall performance of the web application
- The security was also increased in the web application because of the MVC framework
- The MVC framework helped web application in being responsive and adaptable with devices of all sizes and shapes
- The page load time is also reduced in the web application using the MVC framework

KCS Approach

Our experts developed a cutting-edge web application to digitize Express Cargo Movers' document management system. The classification of web application in four sections helped the client to manage the documents easily. While developing the web application, we assured that we make it as user-friendly as possible so that users can easily operate it. The use of the .NET framework helped the website in being intuitive and is compatible with all the modern web browsers. The MVC framework increased security in the web application.

Impact:

The implementation of digital document management has shown a lot of positive impacts on the Express Cargo Movers' business. We have already rolled out the web application and is used by many users who have sent shipments in various countries and shared positive reviews. In addition, we are updating the web application with the latest features as per the client's requirements for offering world-class shipment experience to users.

Tech Stack



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