

PonPure Logistics

Version 1.0

Prepared by
Ms. V. Lakshmi Priya

Reviewed by
Mr. Jutson Leon

Client – Pon Pure Express Private Limited

The organization is a division of Pon Pure Logistics Private Limited, a logistics service provider offering seamless end to end logistic solutions and specialized in areas of Road Freight Forwarding, Warehousing & Distribution and Expedited Services. Pon Pure Express Private Limited a division that handles expedited services specializes in inter-city movement of small parcels with the mission of providing on-time and safe delivery to its clients, with a target of next Day Delivery for major cities within 500 KMS from its service locations.

The Objective

Pon Pure Express required a logistics software application to streamline and integrate their different logistics functionalities like booking, accounting, calculation of agent commission, and so on. The proposed software had to offer key functionalities of Same Day (24Hrs) delivery, Live GPS Tracking of Goods, provision for Door Pickup and Door Delivery, Booking and Delivery, Alerts via SMS & Email and Facilitate Cash on Delivery. The requirement for on-the-go access to booking and delivery demanded an Android application. The software solution had to address their **Major operational challenges / Key Pain areas** which includes –



- ✓ **Defining Customer specific Tariff based on their requirements and nature of business and goods transported.**



- ✓ **Over shooting of customer delivery deadline**
- ✓ **Difficulty in maintaining the POD (Proof of Delivery)**



- ✓ **Unable to Compute Branch wise profit and Loss.**
- ✓ **Difficulty in agent wise commission / expense calculation and reconciliation**

TECHNOLOGY & PLATFORM

Web Application



Application Dev. Platform

Microsoft C#, Angular JS, WCF



Plugins

JQuery, JavaScript, AJAX, SSRS



Database

SQL Server 2008

Android Application



Android Version

Version 4.0 to 8.0



Front End Tool

Android Studio 2.0



Database

SQL Server 2008

Key business objects

The key business objects implemented to handle the key pain areas of the client:

- ✓ The application offers the feature to define Customer specific Tariff contracts based on numerous parameters like – Region, Type of Article, Article weight slabs, and so on.
- ✓ There is facility to define Tariff based on more than one of these constraints.
- ✓ Defining customer specific tariff based on their unique requirement ensures maximum customer satisfaction and customer retention.

- ✓ The application streamlines the entire process of Booking, dispatch of waybill from branch to respective HUB and from there the receipt of the OGPL at the destination branch from HUB.
- ✓ The location of the waybill and status can be accurately tracked by the user at any point of time.
- ✓ The application offers the facility to upload POD and track it at subsequent stages.
- ✓ The consignor and consignee receive SMS / E-mail alerts / notifications regarding the status of their bookings, Goods and delivery.



Report to ensure better tracking and On Time delivery - The number of waybills in different status (For example Waybills which have been created 24 Hrs ago and have not been moved to respective HUB, waybills which have been created a week ago and not yet loaded in outgoing parcel list, etc.) are clearly displayed for better tracking and to ensure On Time delivery.



Status	0 Day	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7 Days	>7 Days	Total
Created	0	0	1	0	0	0	0	1	454	456
Local OGPL Created	0	0	0	0	0	0	0	0	33	33
Local Trip started	0	0	0	0	0	0	0	0	76	76
OGPL Created	0	0	0	0	0	0	0	0	137	137
InTransit	0	0	0	0	0	0	0	0	151	151
Inward	0	0	0	0	0	0	0	0	241	241
Shortage	0	0	0	0	0	0	0	0	51	51
Runsheets Prepared	0	0	0	0	0	0	0	0	2	2
Ready For Delivery	0	0	0	0	0	0	0	0	805	805
Out For Delivery	0	0	0	0	0	0	0	0	117	117
Total	0	0	1	0	0	0	0	1	2167	2169

Accounts (Receipts / Payments)



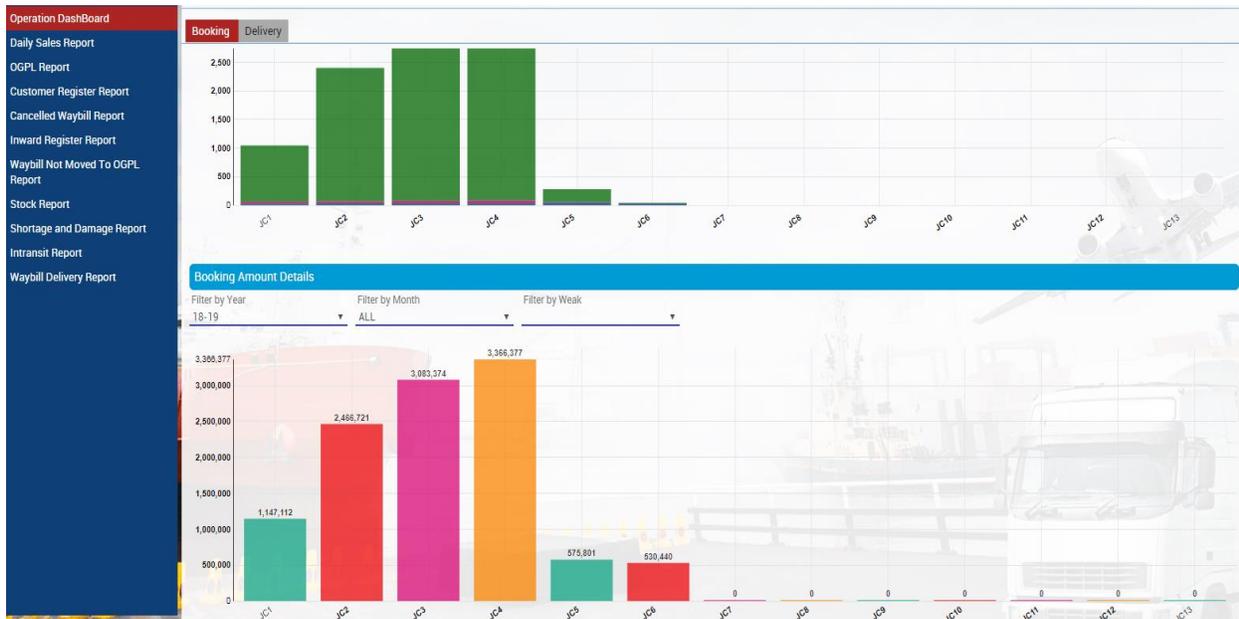
Branch wise Accounts



Tally Integration

- Application maintains accounting details like income, expense, receivables / payables along with the information of the concerned branch.
- This facilitates the calculation of branch wise profit and loss. At any instant for a specific branch the user can obtain account details like Outstanding Receipts / Payments Report, Trial Balance, Balance Sheet, Profit and Loss Report for any required branch.
- The existing issue of generating invoice multiple times for a waybill has been effectively handled by ensuring that invoice generation can be performed only once for any waybill.
- The application has been integrated with Tally with appropriate data migration to obtain all the required reports.

At each branch the user can view the booking and Delivery details for every JC (Journey of Cycle - a logical apportioning of financial year into different periods, effected by Pon Pure Pvt. Ltd.) as a Bar Chart, to comprehend business at a glance.



Challenges & their resolution

- Constant change in the scope of the project** – There was a constant increase in project scope which proved to be a major challenge in the timely delivery of the application. Agaram handled this by classifying the additional requirements into two categories “Live Scope functionalities” (those requirements that will be provided by the Initial version of the application) and “Free Support functionalities” (those requirements that will be incorporated in the support period after project implementation). This ensured that the project could be rolled out as agreed, with the requirements in the category “Live Scope functionalities”, the other requirements were latter taken up as enhancements.
- Exact replica of the existing system was required** – The customer required the application to offer all the functionalities in his existing system. Agaram took the screenshots from the existing application, constituted a technical team that conducted the feasibility study to analyze and implement the changes required as per the new technology.

Conclusion

Logistics application designed & developed by Agaram has addressed all the major concerns of Pon Pure Logistics starting from defining the customer specific traffic to tracking the GCN, obtaining the POD and computing the revenue branch wise. One **major advantage** for Agaram which quickened the process of requirement gathering was the **functional and technical expertise of the CFT**. The team comprised of members with both the skill sets, due to which Agaram obtained functional input to the finest of details and not just from the end user perspective. This led to the successful development of the Logistics application which offered an array of benefits:

- Branch wise expenses and revenue could be tracked and corresponding reports obtained. Effective integration with Tally and posting of accounting details into Tally ensured that all the required reports could be obtained from Tally without the effort to maintain and manually extract details from Excel.
- Customer specific Tariff contract could be defined based on their specific requirements.
- Alerts and Notifications for booking and delivery ensure proper communication to the consignor and consignee at all times.
- Provision to upload POD (Proof of Delivery) enables easy tracking of delivery details.
- Effective communication through alerts and notifications ensures easy tracking of way bill status and timely delivery of goods.

