

Akshaya Patra

Case Study



Implementation of Quality monitoring and streamlined delivery process with e-attendance for Akshaya Patra

The Akshaya Patra Foundation is renowned non-profit organization which serves nutritious food to over 1.7 million children across India every day. The program was started in June 2000 with 1500 children and has grown to 40+ kitchens in 12 states of India. They deliver to more than 14,000 schools in total. To be cost efficient but at the same time have the highest standards in quality is a challenging task, but one that Akshaya Patra has mastered.



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Problem Statement

Information flow

Akshaya Patra has concerns with their information flow on whereabouts of a delivery van. School's must make sure they receive food before lunch time starts and so students can get food on time. Schools had to call to get info, Akshaya Patra distribution team needed to check in their records as to which vehicle and driver went on that route and get location of van by calling driver.

Since Akshaya Patra delivers to rural areas, not all the roads are paved. Vehicles are prone to breakdown or hard time getting to a location depending on weather. This exacerbates situation and back-office might not has any information about it

Dispatching



With a fleet having both owned and hired vehicles, a unified solution was needed which can also cater to dispatching requirements. When drivers arrive for pick-up, dispatching needs to be finalized beforehand and delivery information must be provided to drivers. YLogApp enabled Akshaya Patra to address this issue by enabling assignment of dispatches to drivers based on route load.

Accountability

Without knowing who was driving which delivery van, drivers can't be held responsible for any concern in delivery. Akshaya Patra wanted to know and even restricting driver from starting vehicle if he is not authorized. Moreover, the vehicle's food compartment must be auto-locked when driver and helper go to deliver vessel to school.





Problem Statement

Quality Assurance



Food's nutrition can be measured based on how good it is cooked and at what temperature it is served. To maintain consistent quality, cooking, distribution and, delivery temperature must be recorded. A device which can perform this at all three locations was a challenge for Akshaya Patra.

Production planning

At a huge organization like Akshaya Patra, production planning is not an easy task. Cooking requirements must be determined dynamically based on student's attendance. It is a dynamic factor which must come from all the schools and needs to be incorporated into production planning. Akshaya Patra has been utilizing paper based attendance system to put together numbers from all schools but it takes a lot of time as well as resources to go through all those paper documents and input data in digital format.





The Solution

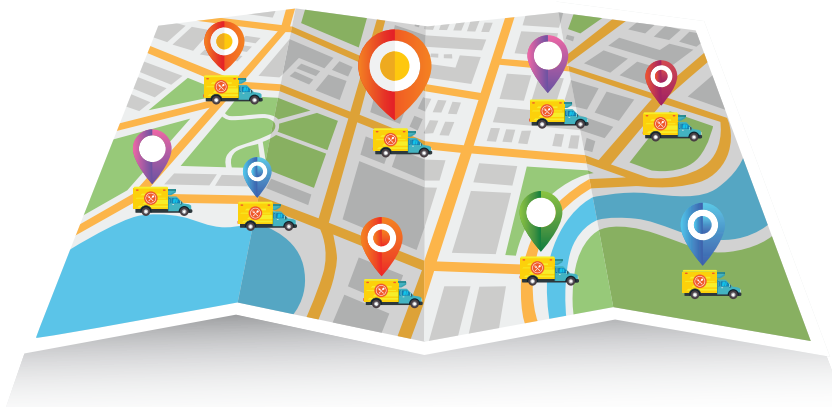
By using YLogApp solution, Akshaya Patra saw potential to address its challenges.

Yusata proposed YLogApp – Advanced GPS tracking solution which was consisting of a range of features like:

- ➡ Scheduling of Dispatches
- ➡ Real-time location, speed, driver behaviour information
- ➡ Automated reports
- ➡ Geofence transition information including time and distance
- ➡ Supported peripherals like Attendance input system
- ➡ Integration with ERP

Real-Time visibility on information

Akshaya Patra achieved peace of mind after having GPS devices installed in all the delivery vans. Contact centre as well as dispatch office can keep an close eye on actual position of vehicles and inform schools their live location and actual ETA (Estimated time of arrival). This further decreases the chances of delays due to vehicle break-down etc since back-office can immediately act like arranging a replacement.





Driver-Vehicle assignment with Routes made easy

With information digitally available in system, dispatchers are enabled to do routing for driver/vehicles. Driver's had ease of info about getting on road as quickly as load is completed.



Driver identification with keyfob

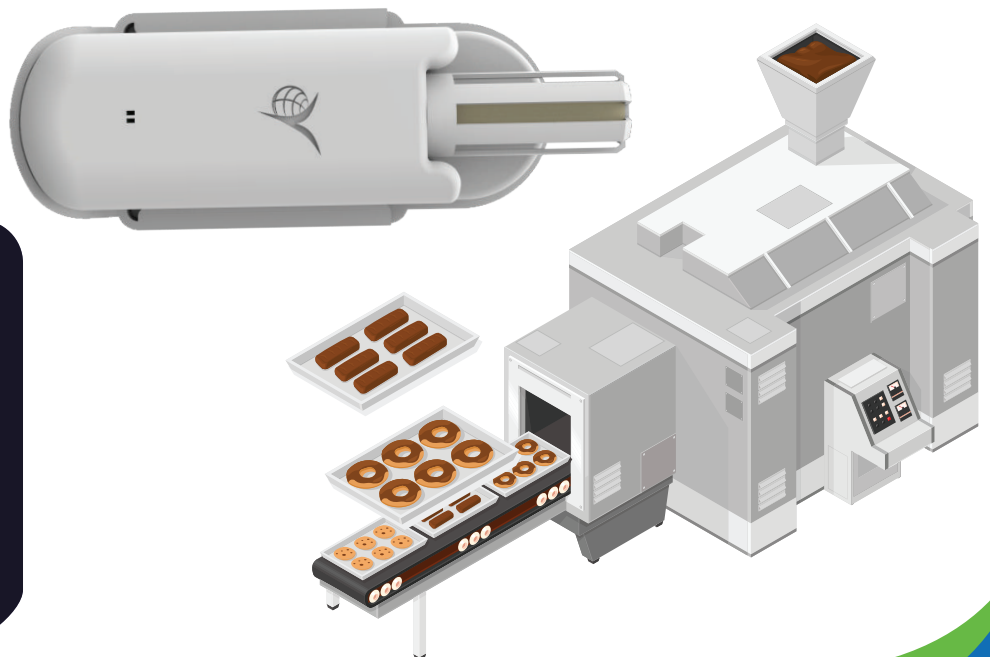
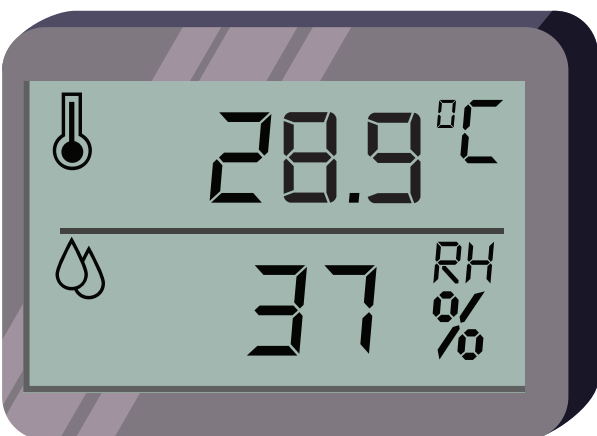
YLogApp enabled Akshaya Patra to identify driver while starting a vehicle. As well, drivers without keyfob are restricted to start ignition.



Integrated temperature monitoring solution

We have developed custom temperature monitoring solution miSensors along with hardware to fulfil specific requirements.

Temperature sensor provides mechanism to select between Rice or Daal (Lentil) cooking or distribution option. When cooking is selection, it provides mechanism to choose cauldron number and when distribution then it allows to choose route number. It uses food grade probe for temperature sensing. Captured temperature is displayed to user as well. It persists last know cauldron and route number when next reading is captured.





Wireless forms

To overcome issue in production planning, YLogApp was enabled with wireless forms. It provides mechanism to design custom forms with ease or to choose from a variety of available forms. They are used by delivery persons/helpers to capture attendance from schools and submitted to ERP system. It bypasses all manual intervention of data input.

Food List /Daily Planning Sheet Summary

Sr. No.	Date	No. Of PS Children	No. of UPS Children	No. of Roti	No. of Rice Coudron	No. of Dal Coudron	No. of Veg. Coudron	No. of Khichdi Coudron	Total No. of Items send in School	Others Item
1	20-06-2016	36332	20166	0	0	0	0	13.3196	one item	NIL
2	21-06-2016	32860	18664	0	0	0	0	10.225	one item	NIL
3	22-06-2016	27323	15917	0	0	0	0	13.5471	one item	NIL
4	23-06-2016	28186	16423	0	0	0	0	19.8792	Two item	14.7495 S.D.
5	24-06-2016	31050	17872	107235.5	18.6776	0	7.2535	0	Three items	NIL
7	25-06-2016	31163	17937	116078.5	19.8795	0	8.0356	0	Three items	NIL
8	27-06-2016	32574	18471	124415	18.9309	8.4008	0	0	Three items	NIL
9	28-06-2016	32539	18481	139427	0	0	9.2825	0	Three items	355.52 S.H.
10	29-06-2016	32606	18395	139759	22.5052	9.0783	0	0	Three items	NIL



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YlogForms

← Vegetable Purchase


Date
05/29/2019 05:03 PM

Vegetable Name
Carrot

Rate(inr)
25

Quantity(kg)
3

Total Amount
75

Vegetable Image


Submit