Octavia

Next generation routing

Amazingly accurate,
Refreshingly different

Sunshine for your transport room

Web based:

Octavia is a browser-based application that enables multiple users in different places to log in and utilize it simultaneously. User rights can be pre-defined depending on employee hierarchy.

Message Board:

The team leaders or SPOC's (single point of contacts) from various teams can forward their requests, etc to the transport team using the message board. It helps in maintaining a simple and effective line of communication between the transport team and the rest of the organization.

Seamless integration:

Complete and seamless integration can be achieved with all existing transport applications as well as hardware such as vehicle tracking units.

Customizability and Scalability:

At Octavia, we firmly believe that no two BPO's are the same and therefore, neither can the routing application being used by them. By offering a completely customized solution to suit your institute's specific needs, we effectively incorporate your organization's DNA into the application. As Octavia is unlimited in its scope of customizability and scalability, we promise to continue to deliver even as your institute grows over time, be it years or decades.

Hosting model:

Octavia also offers a service model, wherein we securely host the application and user can access and generate routes remotely.

*No divine intervention,
just human intelligence*

The most advanced algorithm for the BPO industry

Algorithm:

Octavia is built on not just a single algorithm, but also on a number of sub-algorithms that constantly talk with each other making it the most intelligent/advanced routing solution for the BPO industry. Based on this intelligent design, each parameter/constraint is processed individually and collectively before arriving at the most logical and efficient routes.
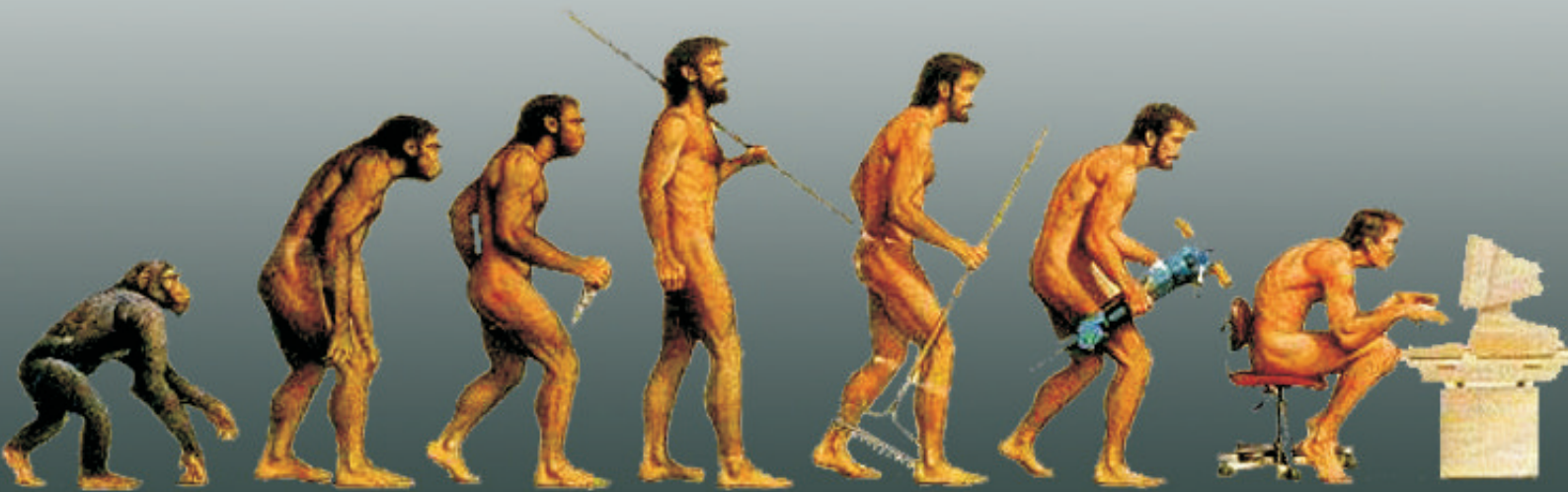
Efficiency:

Routes are generated through a series of complex processes that effectively result in least utilization of the number of cabs, minimizes the total travel distance, but still ensures a high degree of employee satisfaction.

Occupancy:

An optional high occupancy mode produces routes with more than 95% occupancy and consequently decreases the total transport costs by maximizing fleet utilization. This top down approach also presents with an easy feature where in routes that may need to be edited are highlighted to guarantee employee satisfaction.

Employee satisfaction:

Employee satisfaction is a top priority and Octavia ensures that all pick up points lie in the return path from the farthest employee. Employees will never have to travel past the facility or deviate significantly from their direct path. Happier employees mean a happy transport team.

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Artificial intelligence…
in your transport room

The only routing software that can think….and adapt

Observe:

Occasionally, the transport team makes changes to the routes generated to cater to various institute specific requirements. A special feature of Octavia allows it to continuously monitor these changes.

Think:

Octavia then processes these changes and runs them through various algorithmic steps, so that any inherent logic dictating these changes can be extracted.

Adapt:

The new logic is again reprocessed and continuously tested and, if proven to be consistently effective will automatically incorporate it into the algorithm, so that all subsequent routes generated will follow the new standard.

Evolve:

The whole process results in a transformation of the entire solution, making it more suitable and appropriate to the specific demands of each organization. This evolutionary process further improves the routing efficiency as well as significantly decreases the burden on the transport team, bringing it closer to complete automation of route generation processes.

Minimum trips. Maximum benefits.

Pick-ups, drops, en-route and back-to-back trips too!

Pick-ups:

Octavia allows generation of pick-up trips before a specified time using specified or unspecified vehicle mix. Trips for multiple shifts can also be simultaneously generated with one click of the mouse.

Drops:

Single and multiple drop trips can be generated as and when employee data is available.

Back-to-back:

Octavia is the only solution that generates and routes back-to-back trips. It also provides configurable parameters to further match the specific user requirements. Back-to-back trips result in high efficiency and tremendous savings for the organization.

En-route/Ad hoc trips:

Employees who have missed their assigned cabs can be automatically reassigned to the next nearest cab. This feature can also be completely automated by integrating with our state of the art vehicle tracking devices.

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*Taking care of
one and all*

Maintaining efficiency while meeting special demands

Female constraints:

Female constraints are effectively implemented in the required shifts in such a way that a nearest male is picked up first rather than sending a security guard. This minimizes the number of security guard requirements as well as increases occupancy as well as fuel efficiency.

Other constraints:

Various other constraints such as for pregnant women, physically challenged employees, etc are similarly effectively handled. Home pick-ups are automatically assigned once the employee characteristics are defined.

Matching:

Employees who wish to travel in the same cab for the same shift (such as married couples) can be paired so that they are always picked up or dropped off in the same cab.

Configurable:

If you don't find the constraint you need, simply add a new one through a simple interface or call us and we will do the rest.

Route efficiency:

Route efficiency is maintained to the highest possible extent, thereby providing the most economic and effective solution in meeting special demands.

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Multiple vehicles, different capacities, one solution

Integrated vendor management and fleet optimization system

Define Vehicles:

Multiple vehicles can be defined based on their capacities, quantity available, cost parameters etc. A minimum occupancy number for each type of vehicle can also be defined to ensure a total high occupancy percentage for all trips.

All Capacities:

Vehicles of all capacities can be utilized in routing without compromising on efficiency. Octavia is the only routing solution that can utilize high capacity vehicles such as mini-vans and mini-buses in a smart and yet economical manner.

Vendor Management:

Vendor management is a breeze using Octavia and uses various user definable features such as vehicle availability, fleet allocation, etc. Fleet allocation to vendors can be automatically achieved based on pre-defined percentages.

Fleet Optimization:

It is a premium feature of Octavia that intelligently computes the optimum fleet mix which would result in the most efficient trips in terms of total distance traveled and fuel consumed. Fleet optimization can be done for weekly and monthly shift changes.

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*One transport team,
one solution*

End-to-end transport solutions

Rostering:

Obtain all your HRMS data through a simple interface using the rostering application. SPOC's (single point of contact) can be defined for simple and defined interaction with various teams.

Routing:

All your routing needs, map interface, route editing features, etc are available under one single application. All edited routes are dynamically reprocessed to reflect the updated distances, travel time, etc.

Tracking:

Seamless integration with SreeGo's state of the art, award-winning GPS based vehicle tracking. Amongst the various value added features are automatic and precise geocoding, enhanced security, reduce paperwork, monitor routes, obtain precise trip parameters such as distance traveled, etc.

Billing:

All transactions of the transport team can be tracked and billed through our solution. Cost effectiveness of various processes can also be tracked.