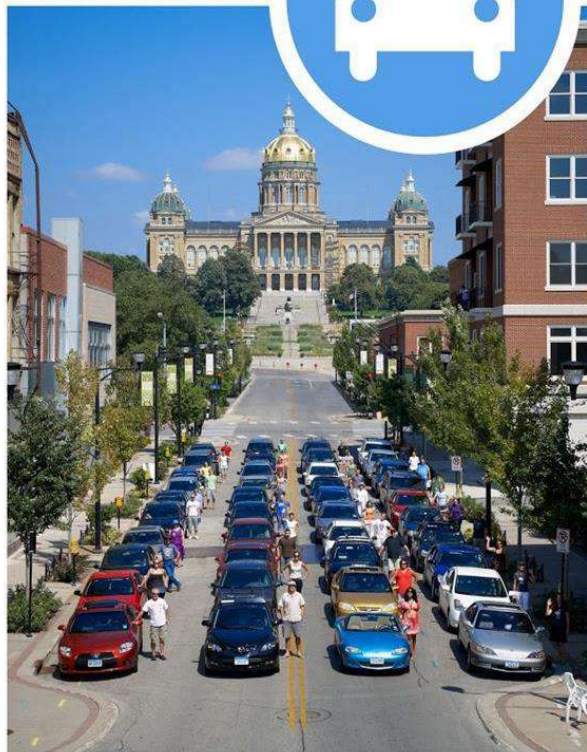


40<sub>by</sub>



40<sub>by</sub>







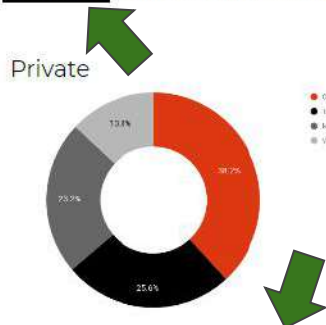
Public  
Transportation  
in  
Sri Lanka



# Statistical Analysis of Vehicle Population in Colombo

**500,000** vehicles enter Colombo every day

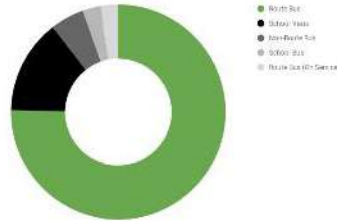
... carrying 1.8 million people



Private Vehicles	443,586
Cars	169,448
Trishaws	113,481
Motorbikes	102,783
Vans	57,874

Passengers: 828,788

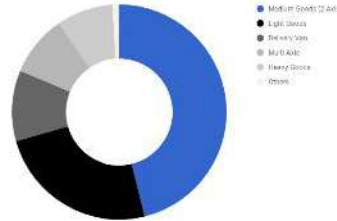
**Public**



Public/Mass Transport	29,064
Route Bus	21,905
School Vans	4,107
Non-Route Bus	1,470
School Bus	795
Route Bus (On Service)	787

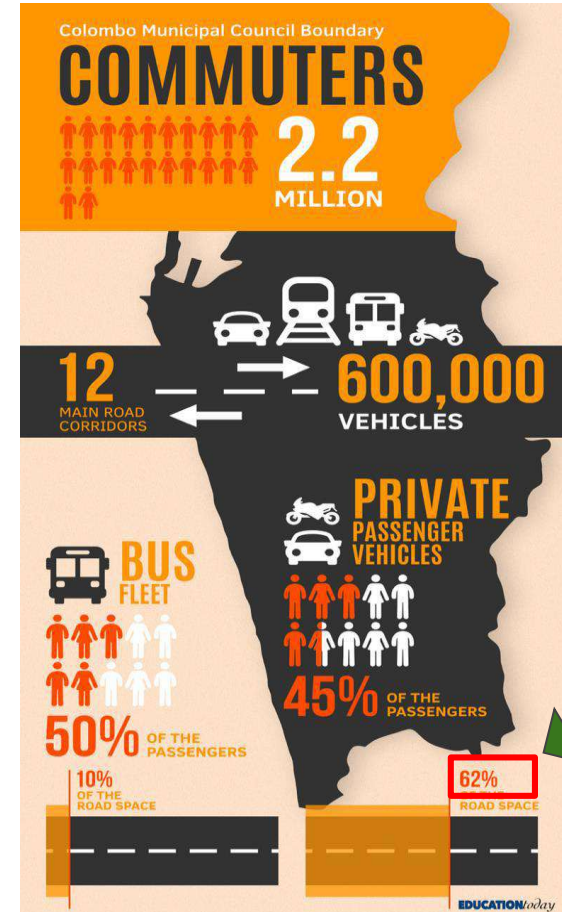
Passengers: 977,024

**Goods**



Vehicles For Goods	36,598
Medium Goods (2 Axle)	16,881
Light Goods	8,940
Delivery Van	3,941
Multi Axle	3,350
Heavy Goods	3,155
Others	331

Passengers: 74,965



Source : <https://indi.ca/2015/10/colombo-vehicle-statistics-2015/>

**Do you know** how much  
of a loss is incurred by the traffic on  
daily basis





# “Rs. 60Bn loss to state from country's traffic congestion”

- University of Moratuwa



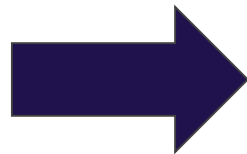
Rs. **500m** loss incurred daily from traffic congestion – transport authorities observe

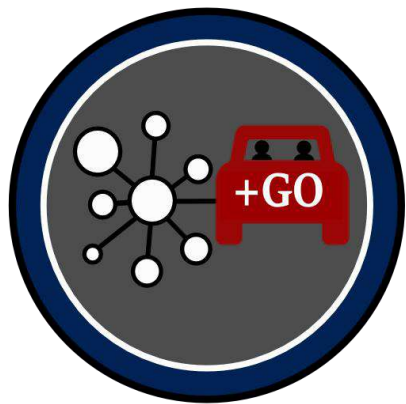
Written by Mayoora Kantharvel

Share:   

# 1.5%

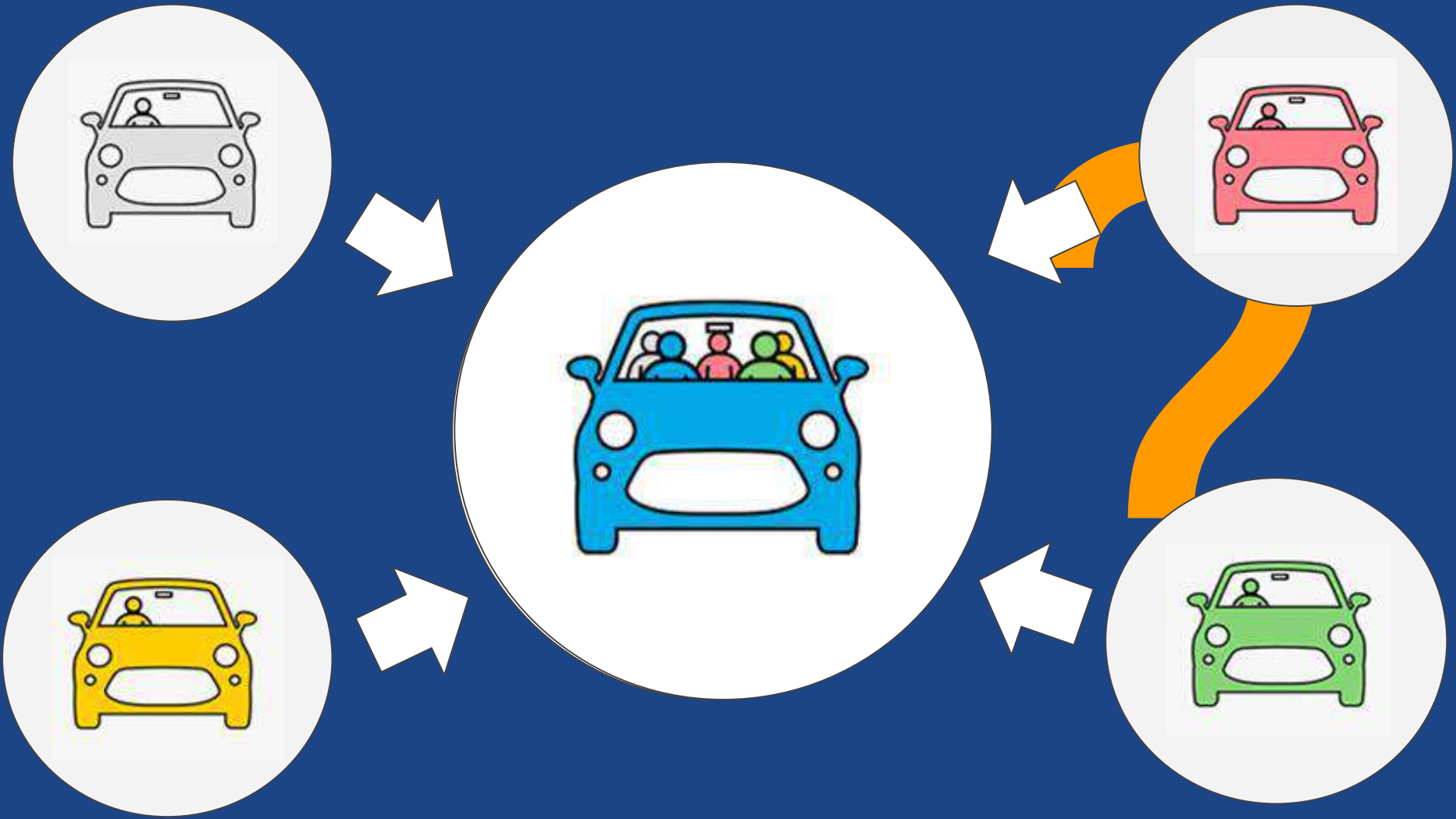
## GDP Loss due to traffic congestion





# Plus Go

**Intelligent Complementary  
Ride-Sharing System**



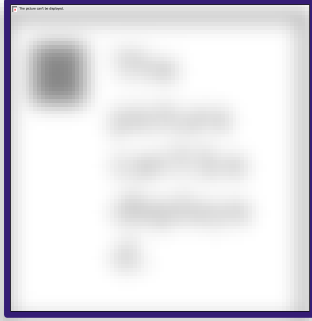


# Our Team



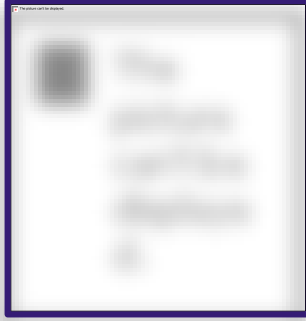
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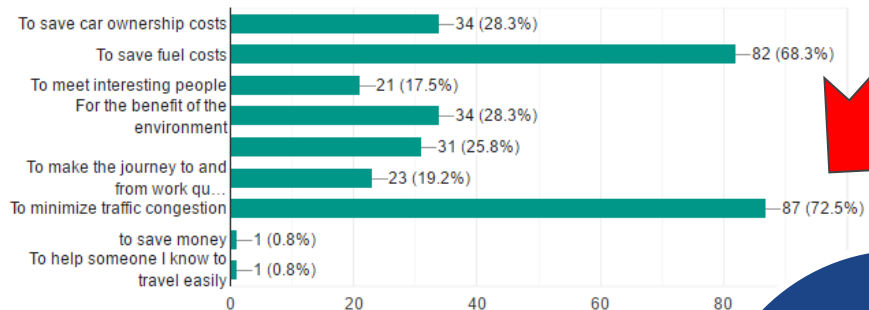


Supervisor  
Dr. Janaka Wijekoon

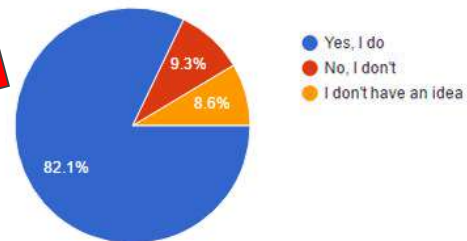


Co-Supervisor  
Dr. Dharshana Kasthurirathna

What would be your primary reason for opting for car sharing?



Do you think carpooling is a good option for Sri Lanka?

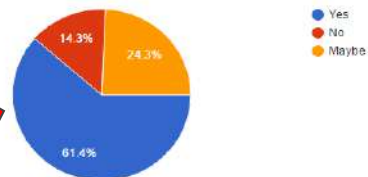


What the people really need

Would you carpool in your car if you get paid by the people you are offering ride to?



Would you be interested in a collaboration between Carpool platforms?



**Reporting  
Drivers**

**Crowdsourcing  
Platform**

**Profile  
Navigation**

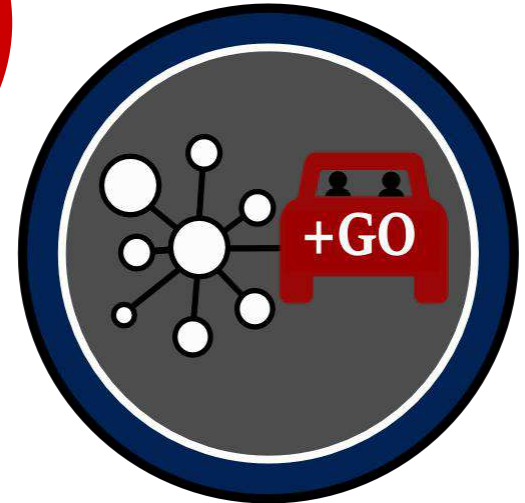
**Customized  
Rating  
System**

**Optimum  
Path**

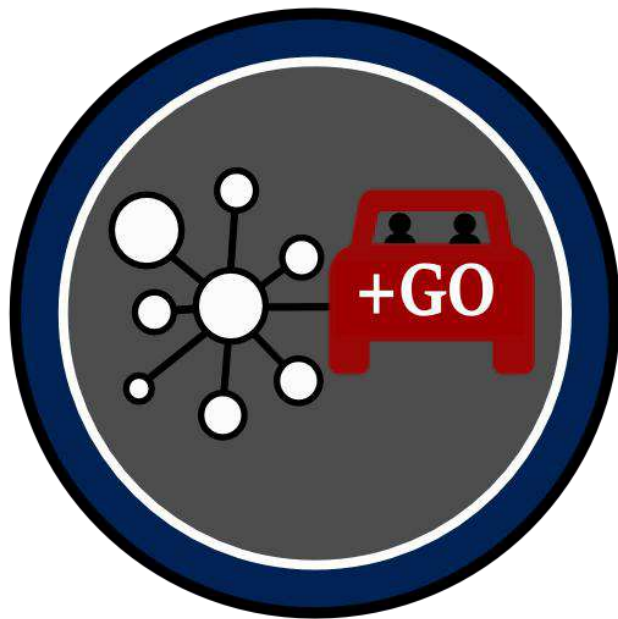
**Actual Fare  
using  
OBD II**

**Estimated  
Fare**

**Flexible  
Driver List**

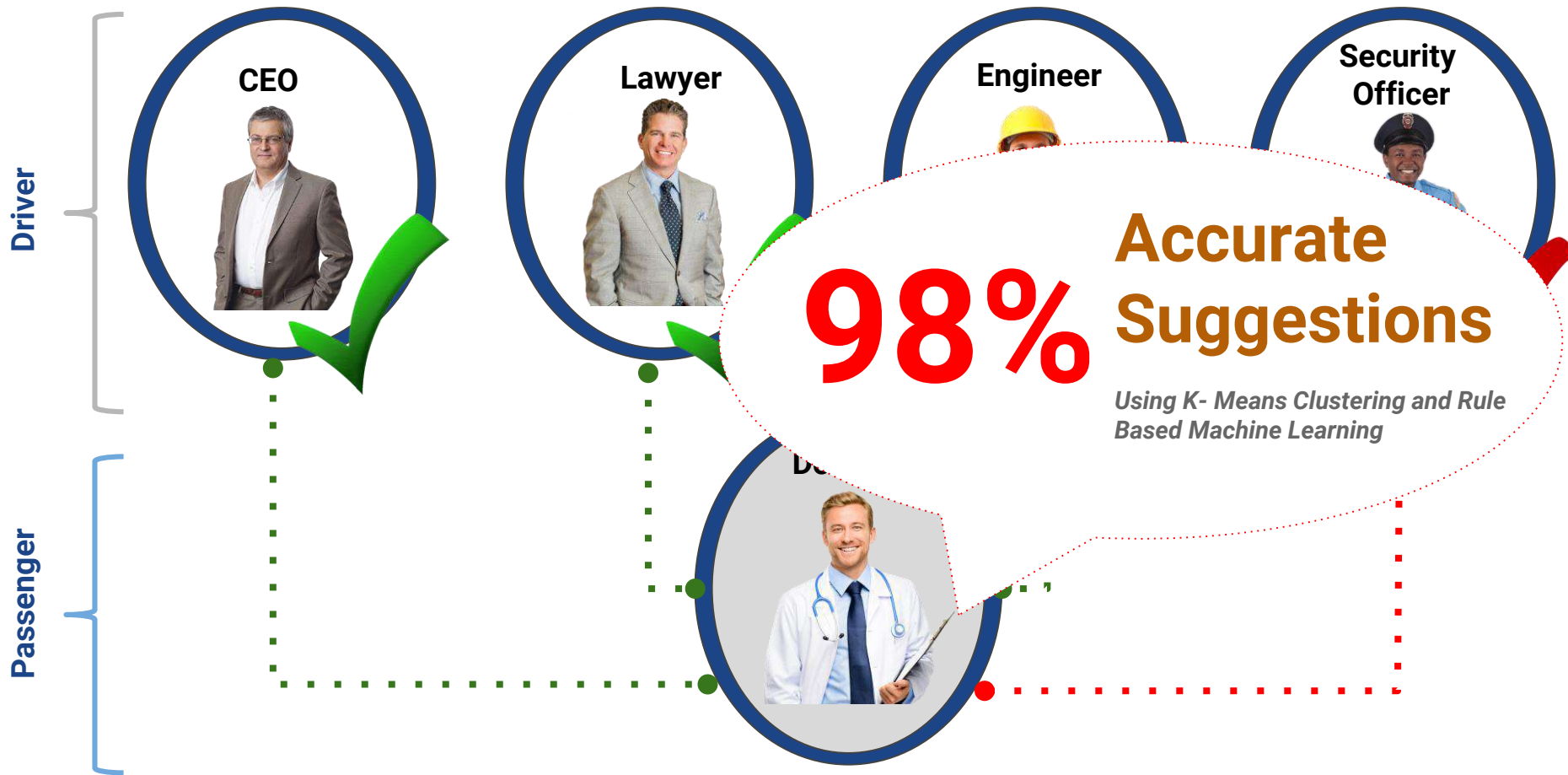


WHY





# Mechanism of Suggesting Most Suitable Drivers



# Market Analysis

Features	UBER	UDIO	Carpooling.lk	RideShare.lk	+GO
Matching the passengers' <b>profile</b> with the suitable drivers	X	X	X	X	✓
NIC and License validation	✓	X	✓	X	✓
<b>Customized</b> rating system	X	X	X	X	✓
<b>Dynamic</b> fare calculation with OBD II	X	X	X	X	✓
Use <b>Crowdsourcing</b> platform	X	X	X	✓	✓



**Reduce Stress**



**Increase productivity**



**Build professional  
relationships**



**Reduce environment  
pollution**



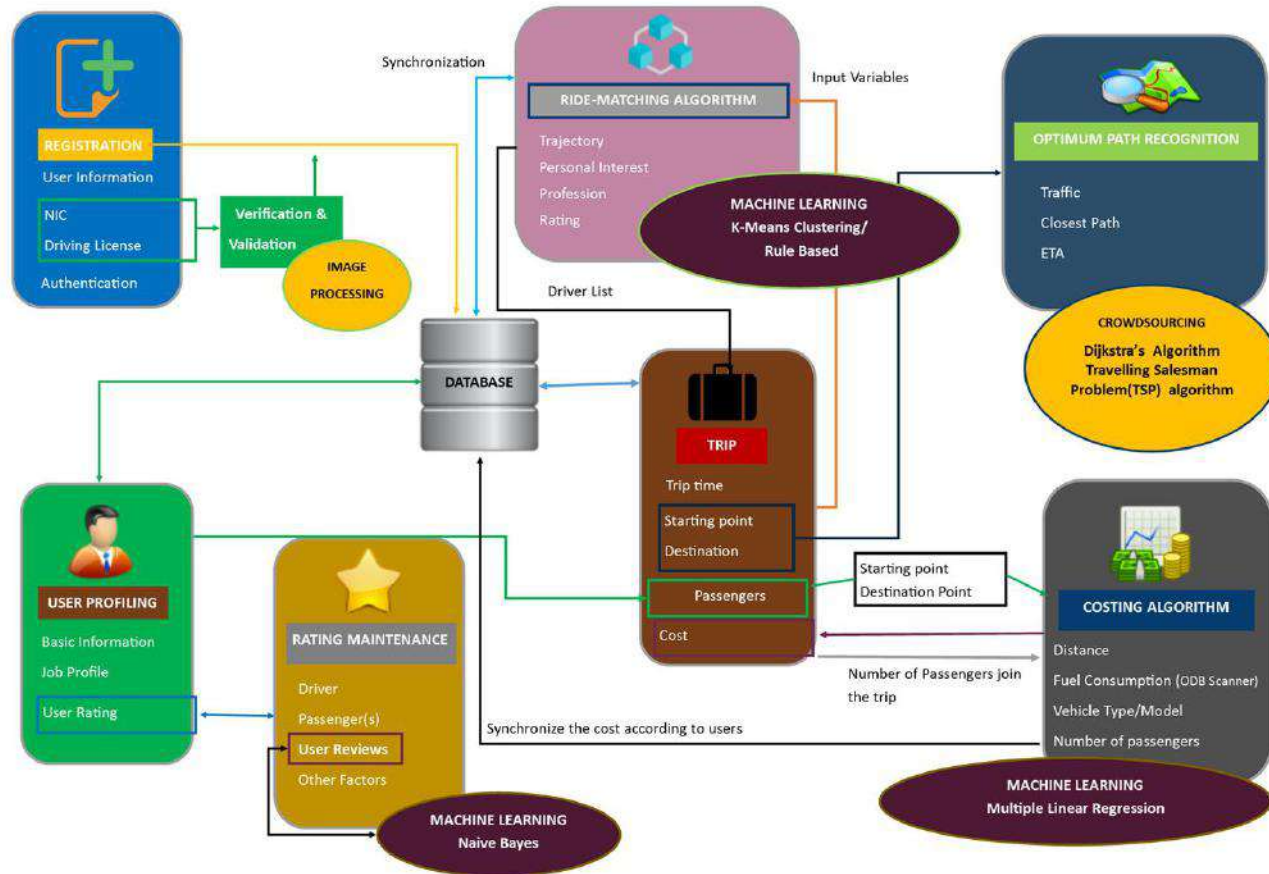
**A solution for traffic**

**How life of the  
user is made a  
comfort zone**



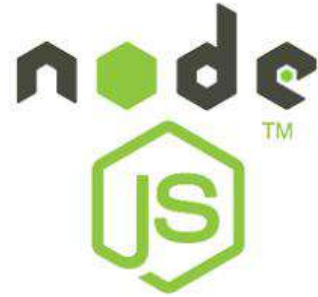
**Reduce travelling cost**

# High Level System Diagram





# Technology Stack



Firebase



# Business Model



**ABSOLUTELY FREE**

Any user can  
download it for  
**Free**

**REVENUE ON  
SALES**

**1%** Charged  
on each User Ride

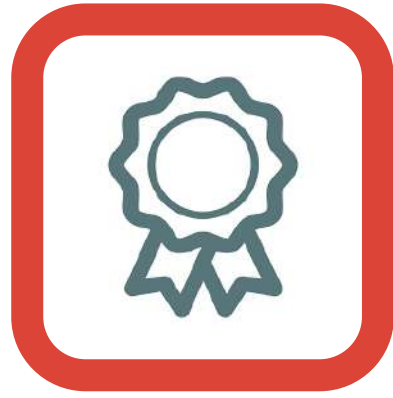
**SUBSCRIPTION FOR  
VALUE ADDED  
SERVICES**

**Monthly  
Subscription on  
Selected services**

# Future Recommendations



**Introducing  
dedicated  
parking slots**



**Introduce loyalty  
scheme for  
users**



**Give benefits  
such as promo  
codes to top  
rated users**



**Feedback from  
mutual  
professionals to  
verify the  
profession of the  
users**

DEMO