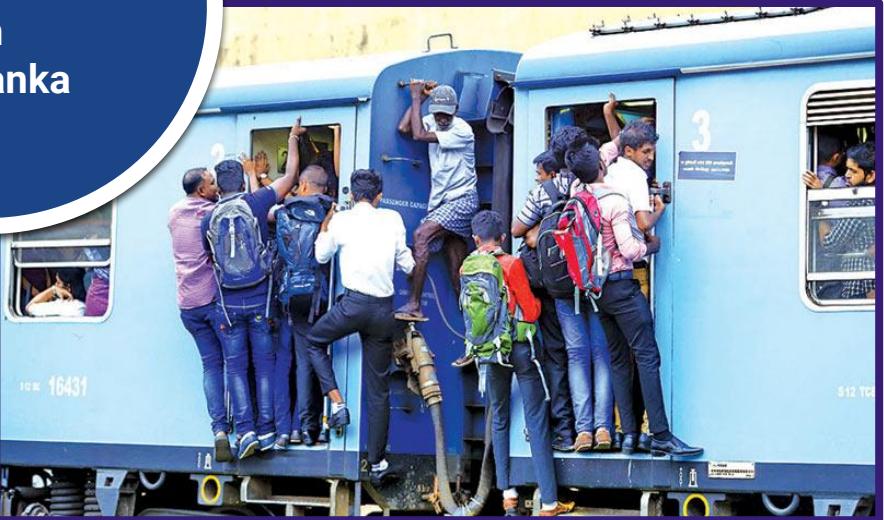


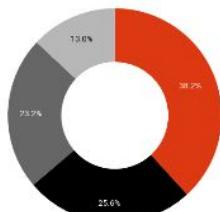
Public Transportation in Sri Lanka



Statistical Analysis of Vehicle Population in Colombo

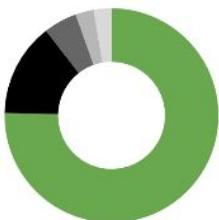
500,000 vehicles enter Colombo every day

Private



... carrying 1.8 million people

Public



Route Bus
School Bus
Non-Route Bus
Delivery Van
Heavy Goods
Others

Goods



Medium Goods (2 Axle)
Light Goods
Delivery Van
Multi Axle
Heavy Goods
Others

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

Passengers: 828,788

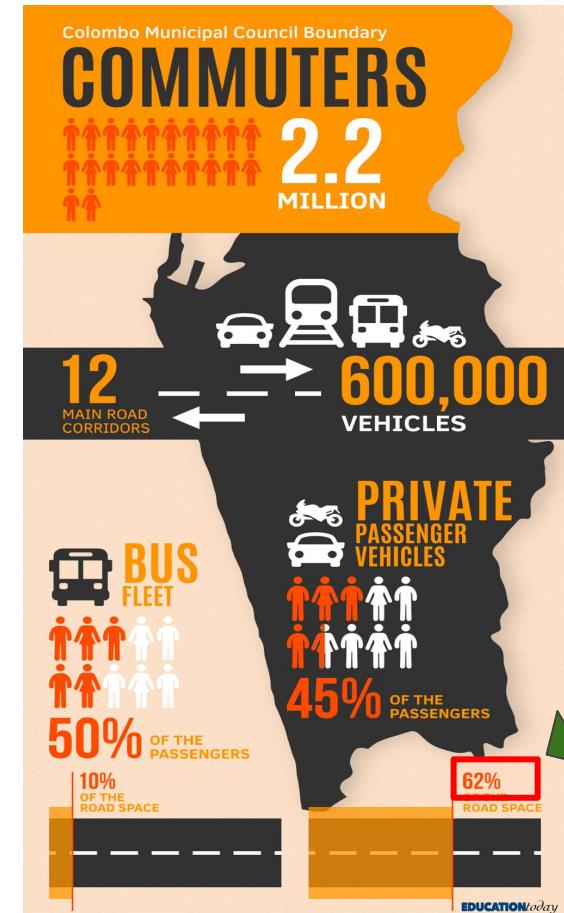
Public/Mass Transport	29,064
Route Bus	21,905
School Vans	4,107
Non-Route Bus	1,470
School Bus	795
Route Bus (On Service)	787

Passengers: 977,024

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’ ’



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

Written by Mayooran Kantharvel

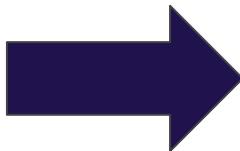
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University of Moratuwa

1.5%

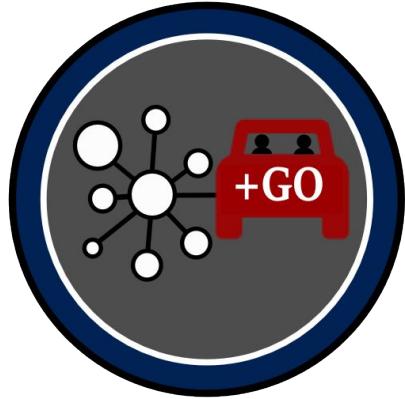
GDP Loss due to traffic congestion

40 by



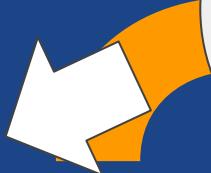
40 by





Plus Go

**Intelligent Complementary
Ride-Sharing System**



Our Team



**Viraj
Wickramasinghe**

Mobile : (+94) 76 692 53 32
vjanuradhwick@gmail.com



**Ashane
Edirisinghe**

Mobile : (+94) 71 993 33 60
ashane.edirisinghe@gmail.com



**Surath
Gunawardena**

Mobile : (+94) 77 459 96 78
surathruwan@gmail.com



**Athrie
Gunathilake**

Mobile : (+94) 77 926 77 95
athrienathasha@gmail.com

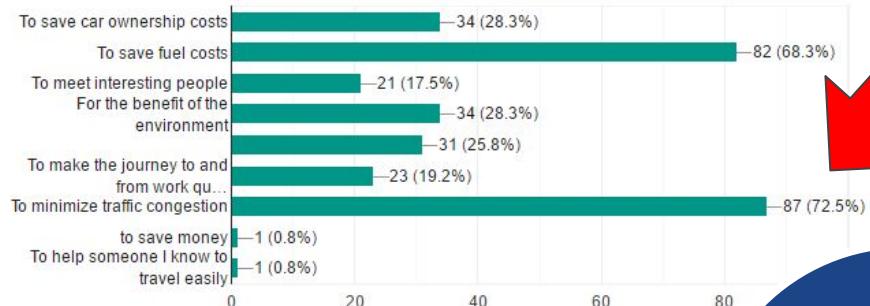


**Supervisor
Dr. Janaka Wijekoon**

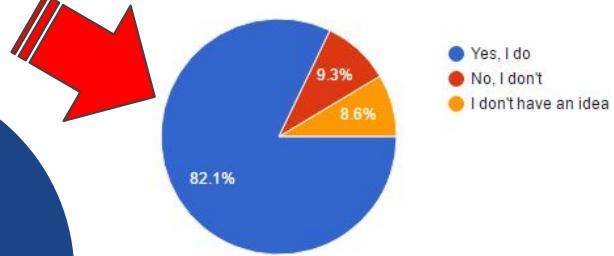


**Co-Supervisor
Dr. Dharshana Kasthurirathna**

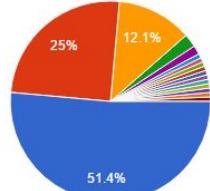
What would be your primary reason for opting for car sharing?



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



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

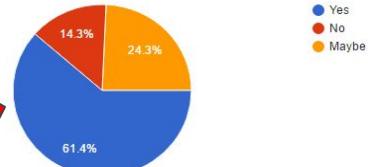


- Yes
- I don't own a car but yes, I'd like to...
- I don't own a car & I wouldn't carpool
- No
- I can't carpool due to my company r...
- Some time preferred
- I own a car. But I'm not interest in dr...
- Yes, if it was a carpool between frie...

▲ 1/2 ▼

What the people really need

Would you be interested in a collaboration between Carpool platforms?



**Reporting
Drivers**

**Crowdsourcing
Platform**

**Profile
Navigation**

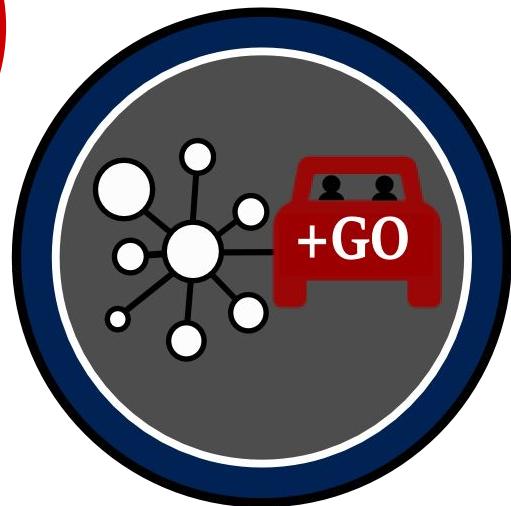
**Customized
Rating
System**

**Optimum
Path**

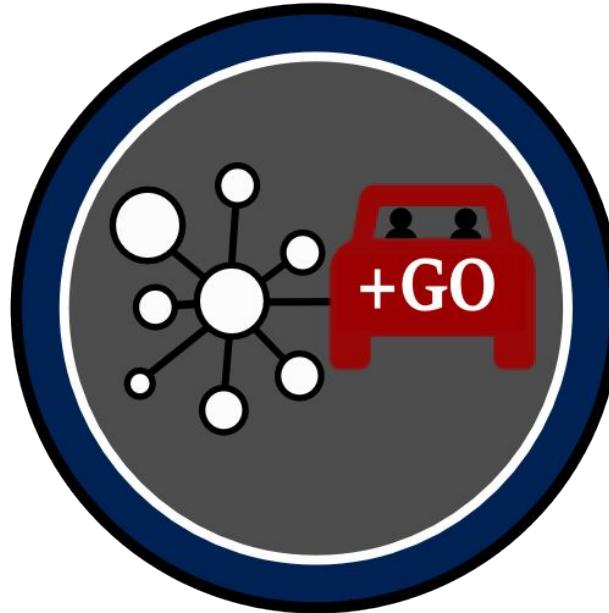
**Actual Fare
using
OBD II**

**Estimated
Fare**

**Flexible
Driver List**

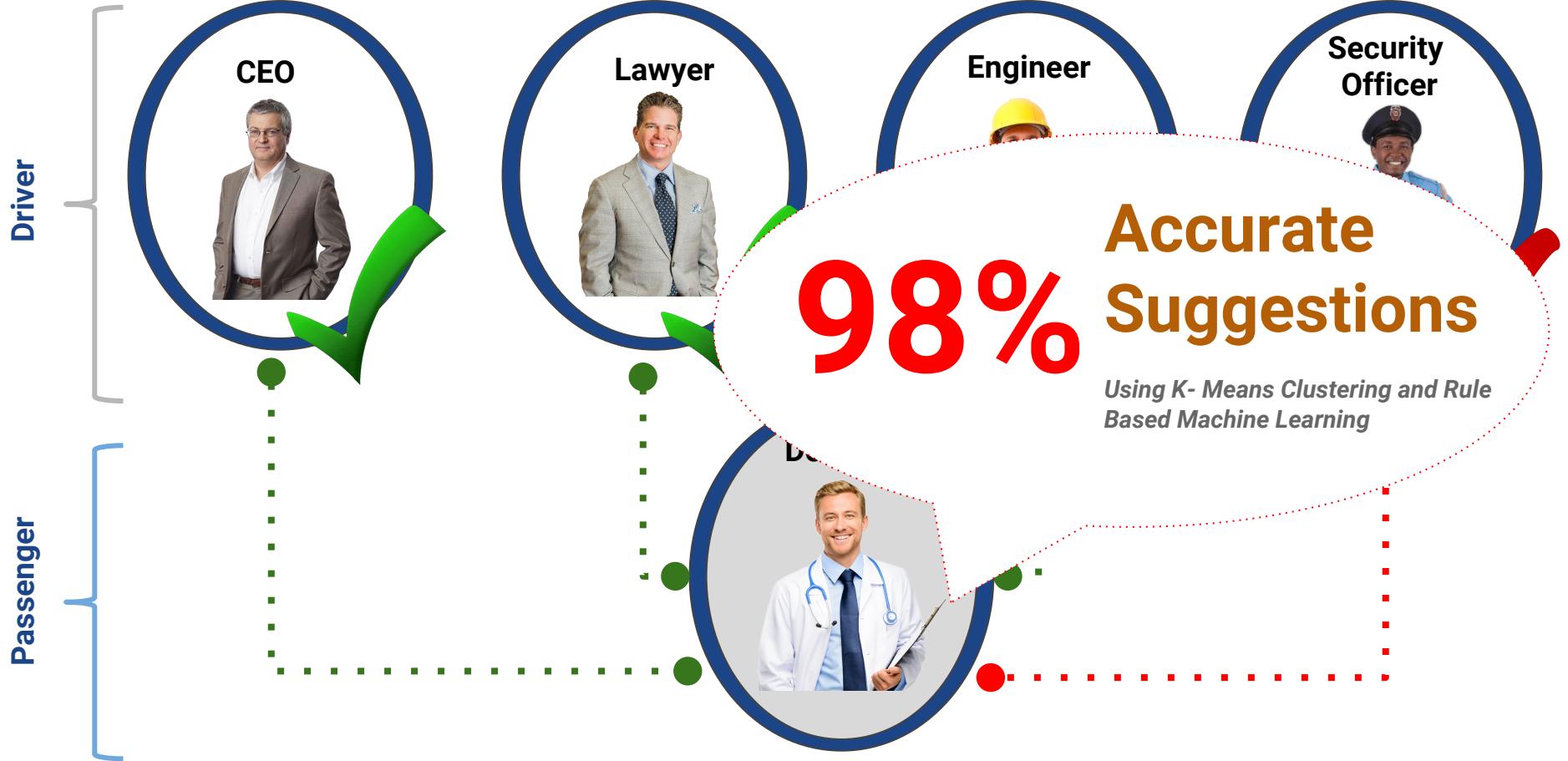


WHY



?

Mechanism of Suggesting Most Suitable Drivers



Market Analysis

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



Reduce Stress



Increase productivity



Build professional
relationships



Reduce environment
pollution



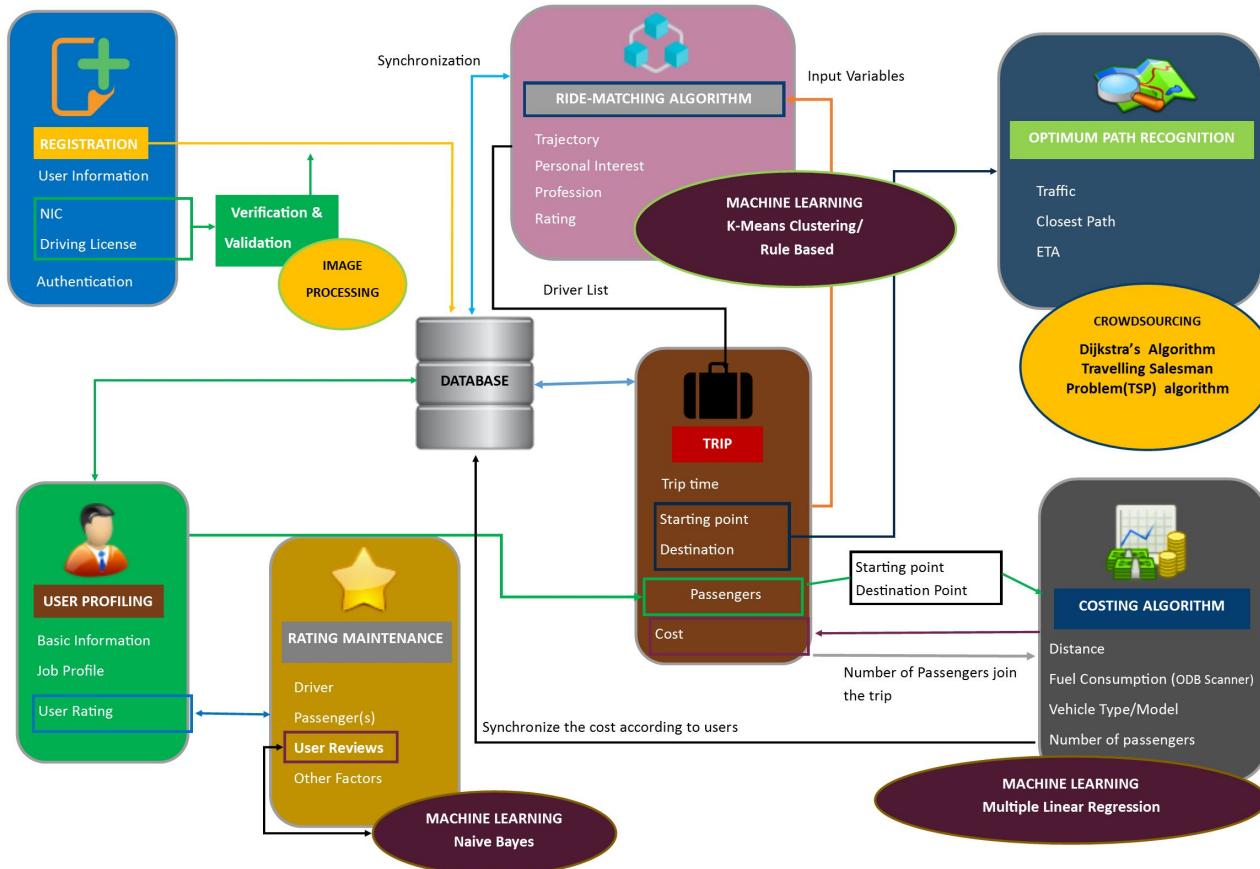
A solution for traffic

How life of the
user is made a
comfort zone



Reduce travelling cost

High Level System Diagram



Technology Stack



Business Model



ABSOLUTELY FREE

**REVENUE ON
SALES**

**SUBSCRIPTION FOR
VALUE ADDED
SERVICES**

**Any user can
download it for
Free**

**1% Charged
on each User Ride**

**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