



...just Fuel, Money & Environment

SAINT SITA RAM INNOVATION LAB

COMPETITOR ANALYSIS (GOOGLE MAPS)

Downloads : 7 Lacs+

Play Store Rating : 4.1 Star



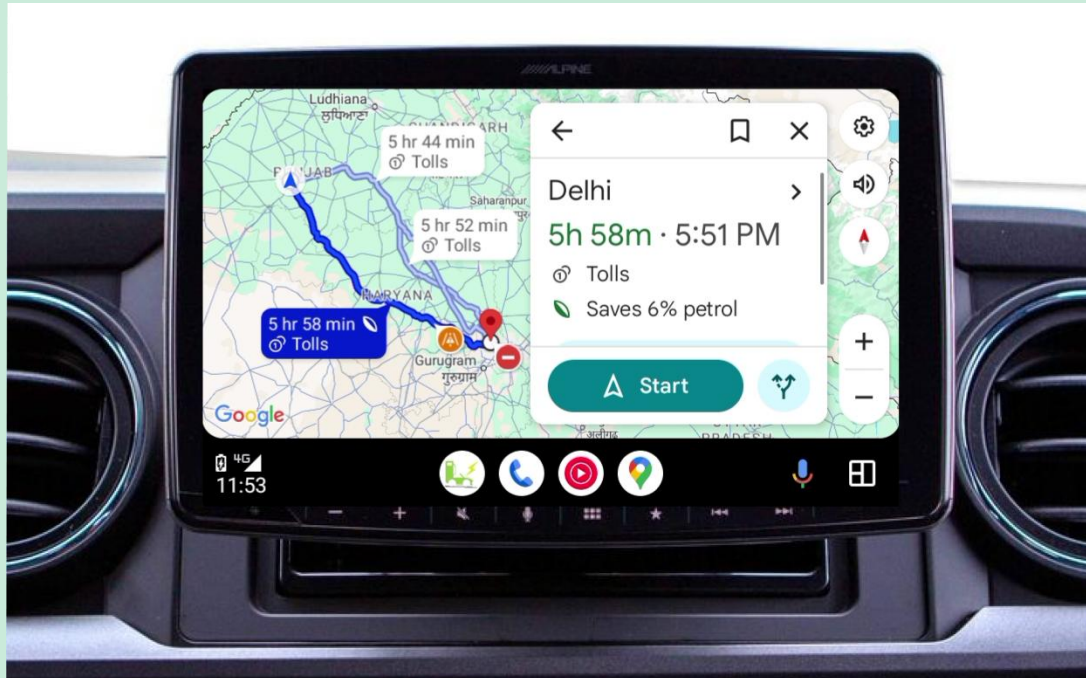
Excellent Android Auto Features !

Compare fuel prices before you
navigate on map



Google Maps

Suggests a percentage of fuel saving for **one route** only.



FUELabc



- Suggests Trip Fuel Cost for **each route**.
- Suggests **most fuel efficient** route as **R1**.

R1 **Rs 4831**

R2 **Rs 5367**

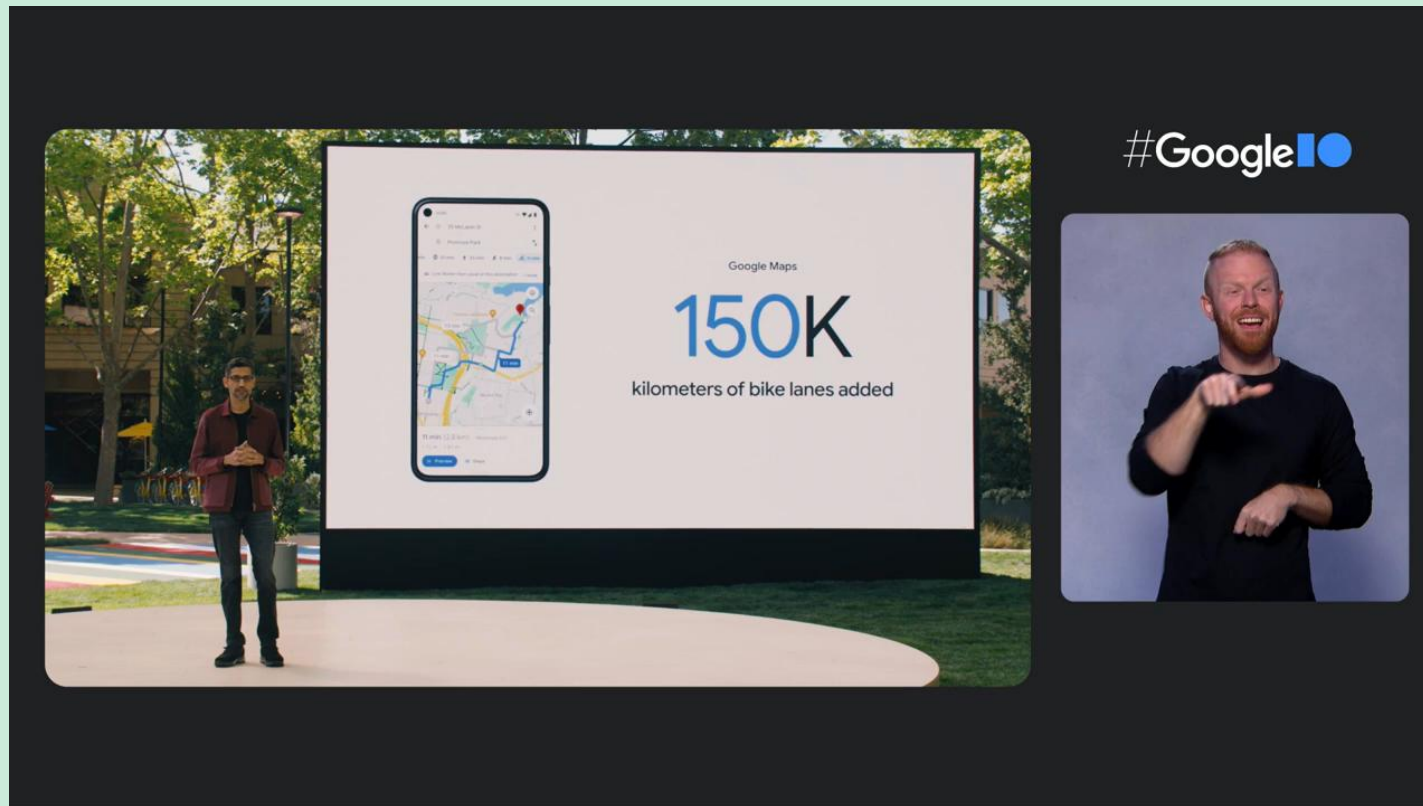
R3 **Rs 5636**



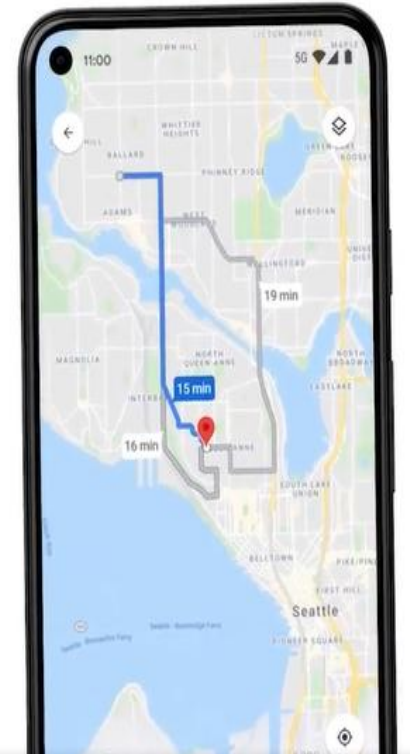
Fuel Efficient Routes

GOOGLE I/O Meet – 18th May 2021

[Click Here - Google I/O Meet - 18 May 2021 Fuel Efficient Route](#)



Google Maps
**Eco-friendly
routes**



Competitive Advantage : Monopoly upto Year 2038



FUELabc USA Patent

Patent no: US10894548 B2

Date of Filling : Oct 25, 2018

Grant of Patent : Jan 19, 2021

Copyrights

SW-10909/2018, SW-11976/2018,

SW-12788/2019, L-114261/2022,

SW-16108/2023

(12) **United States Patent**
Mohan et al.

(10) **Patent No.:** US 10,894,548 B2
(45) **Date of Patent:** Jan. 19, 2021

(54) **METHOD AND SYSTEM FOR OPTIMIZATION OF MILEAGE AND SPEED WITH RESPECT TO FUEL IN VEHICLE**

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(72) Inventors: Lalit Mohan, Punjab (IN); Rahul Jindal, Punjab (IN)

(73) Assignee: SAINT SITA RAM INNOVATION LAB PRIVATE LIMITED, Punjab (IN)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 166 days.

(21) Appl. No.: 16/171,330

(22) Filed: Oct. 25, 2018

(65) **Prior Publication Data**
US 2019/0061779 A1 Feb. 28, 2019

Related U.S. Application Data
(63) Continuation of application No. PCT/IB2017/053484, filed on Jun. 13, 2017.

(30) **Foreign Application Priority Data**
Sep. 15, 2016 (IN) 201611031492

(51) **Int. Cl.**
B60W 50/08 (2020.01)
G01C 21/36 (2006.01)
G01C 21/26 (2006.01)
B60K 35/00 (2006.01)
B60Q 11/00 (2006.01)

(Continued)



(52) **U.S. CL.**
CPC B60W 50/082 (2013.01); B60K 35/00 (2013.01); B60Q 11/00 (2013.01); B60W 30/143 (2013.01); B60W 40/105 (2013.01); B60W 50/0225 (2013.01); G01C 21/26 (2013.01); G01C 21/3697 (2013.01); B60K 2370/167 (2019.05); B60K 2370/174 (2019.05); B60W 50/0098 (2013.01)

(58) **Field of Classification Search**
CPC G01C 21/26; G01C 21/3697; B60K 35/00; B60K 2370/174; B60K 2370/167; B60W 50/082; B60W 50/0098; B60W 30/143; B60W 40/105; B60W 50/0225; B60Q 11/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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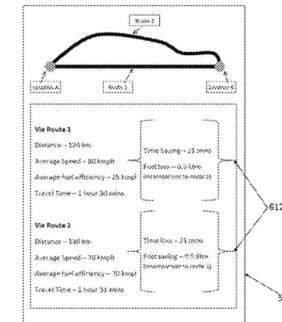
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Primary Examiner — Dale W Hilgendorf
Assistant Examiner — Alexander C. Bost

(57) **ABSTRACT**

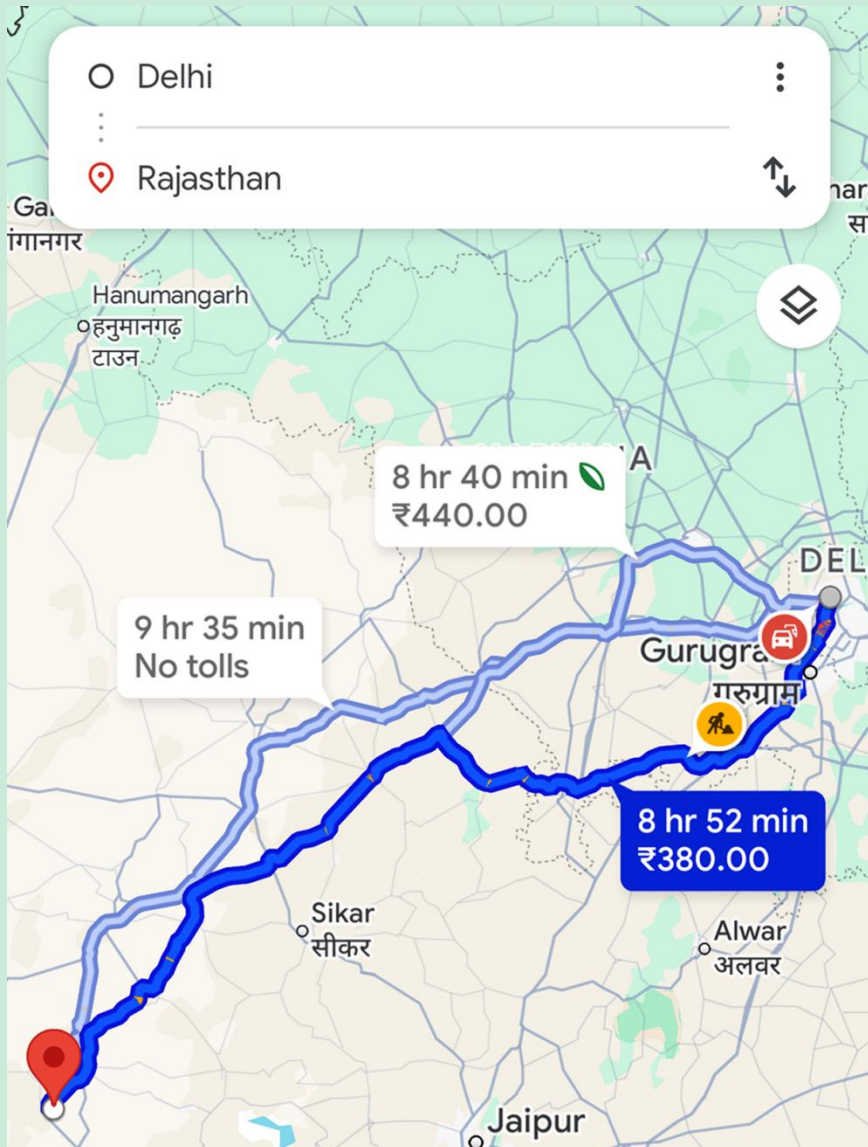
The present subject matter relates to a vehicle mileage optimization system (300) for optimizing mileage of a vehicle by informing user about correct gear and speed combination. The vehicle mileage optimization system (300) has a speed and fuel measuring module (305) coupled with a processor (301) to collect speed and fuel data of the vehicle. Further, the vehicle mileage optimization system has a mileage and distance estimation module (306) coupled with the processor (301) to estimate fuel efficiency and correct gear and speed combination in the vehicle based on the collected speed and fuel data.

6 Claims, 23 Drawing Sheets



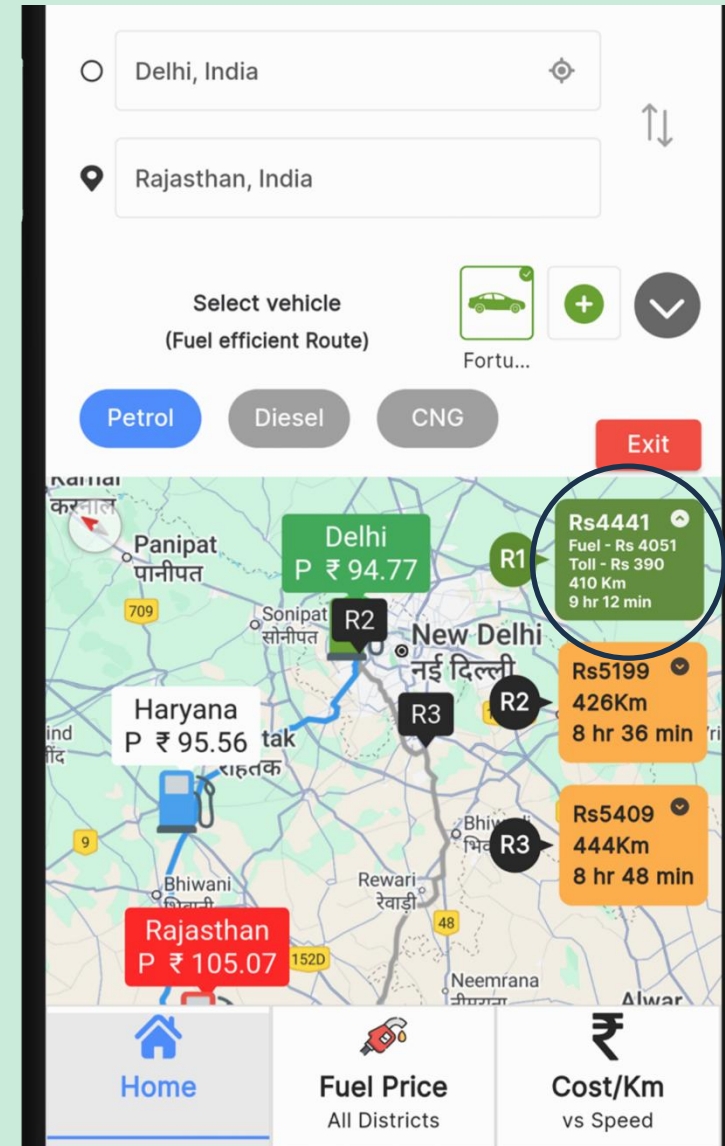
Google Maps

Google Maps gives only toll charges enroute.



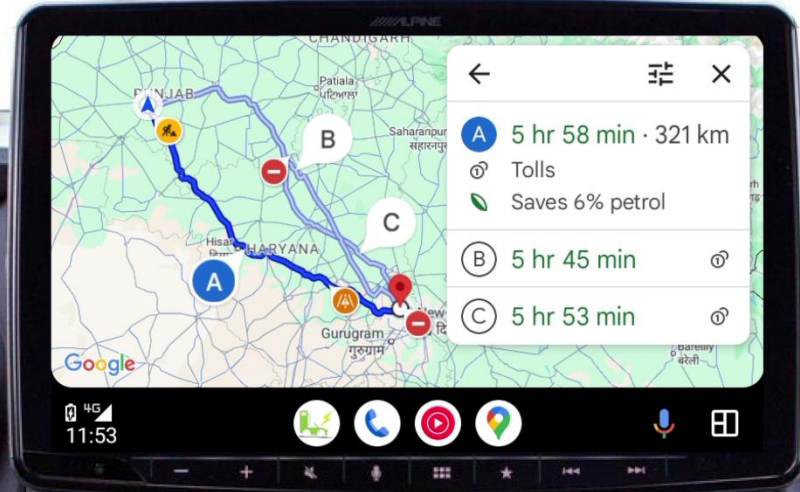
FUELabc

FUELabc gives “Fuel + Toll” charges enroute.



Rs 4441
Fuel – Rs 4051
Toll – Rs 390
410 Km
9 hr 12 min

High Accuracy



- Estimated Trip Fuel Cost **without** considering vehicle “**make**” or “**model**”.
- Error in Estimate can be very high
(upto 100 % error).



- Estimated Trip Fuel Cost taking into account vehicle “**make**” and “**model**”.
- Error in estimate is very low
(10 % approx.)



- **Same Mileage** at all Speeds.
(false assumption)
- **Same trip cost** at all speeds.
(false assumption)
- No information regarding **environmental impact** at different speed



Ghaziabad, UP

Model: Skoda Octavia

Engine: 1984 cc

Jaipur,
Rajasthan

- **Different Mileage** at different **Speeds** of same vehicle
- Trip cost depends on speed selected by User.
- For Octavia
Rs. 2758 at 90 km/hr
Rs. 3448 at 100 km/hr
- **Environmental impact** at each speed.
- FUELabc Android Auto displays **CO₂** emissions in gm/km

Fuel efficient Route (Select vehicle)				
	Aura	Octavia		
Speed (km/h)	80	90	100	
Mileage (km/l)	11	10	8	
Trip cost (Rs)	2507	2758	3448	
Environmental Impact				

Home
 Logbook
 Reminders
 Emergency
 Settings



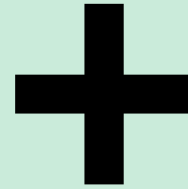
Car Price

Rs. 10 Lacs

Car Fuel Bills

Rs. 10 Lacs

(in 10 years)



You can't reduce car price, can reduce fuel bill upto **30 %**

~~Rs. 10 Lacs~~ Rs. 7 Lacs



Customer Delight !



New review on Jan 23, 2025 at 4:50 AM GMT



Better than google map

Reply

Sincerely,
The Google Play team

New review on Jan 24, 2025 at 7:23 AM GMT



Prompt & Positive Response on Adding my SUV to their Database I shall now use the App for its claimed features & revert back soon

Reply

Sincerely,
The Google Play team

Android Auto was launched on 20 Jan 2025

Accuracy – Speed vs Mileage as per OEM Demand



Speed	30	40	50	60	70	80	90	100	110	120
Mileage as per SSR	14	15	16	15	14	12	10	9	8	7
Mileage as per OEMs	15	16	17	16	15	13	11	10	9	8

OEMs can get ARAI Certificate as per IS:11921

Speed vs CO2 Emissions. (Toyota Fortuner diesel)



Speed (km/h)	40	50	60	70	80	90	100
Mileage (km/l)	15	16	15	14	12	10	9
Cost/km (Rs/km)	5.87	5.50	5.87	6.28	7.33	8.80	9.78
CO ₂ emissions (gm/km) 	176 	165 	176 	188 	220 	264 	293 

CO2 Emission table to be implemented in next update

Range Anxiety

FUELabc is answer to customer nightmares about Range !

Speed (Km/hr)	80	90	100
Range (Km)	400	350	300

(Shown Data is exemplary only)

FUELabc for EVs



Subscription Plan



FEATURES	FREE	PREMIUM	DEMO
Fuel Price Enroute	✗	✓	Click Here
Trip Fuel Cost on Alternate Routes	✗	✓	Click Here
Fuel Price for All Districts	✓	✓	Click Here
Mileage vs Speed	✓	✓	Click Here
Logbook	✓	✓	Click Here
Trip Summary	✓	✓	Click Here
Reminders	✓	✓	Click Here
Vehicle Cost Analytics	✓	✓	Click Here
Fuel Cost for All Vehicles	✓	✓	Click Here
	—	Rs. 120 Rs. 89 for 1 Year	

Terms : Maximum No. of request per vehicle per year = 50

LOI – Harman Ignite (SAMSUNG)



- 70% of the vehicles in the world will have Android Automotive Operating System (AAOS)
- SSR is collaborating with Harman Ignite to supply FUELabc App to Automotive OEMs using Harman Ignite Platform for Indian OEMs & EU OEMs

Potential Map Collaborators



Google Maps

OLA MAPS



Magic Earth

here



MapmyIndia™

Thank You



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