



Google Maps



Nopal Preet Singh

Strategic Partnerships and
Transportation vertical lead,
Google Maps



**Assisting users as they navigate
and explore the world,
wherever they are.**





2Bn+

users globally users turn to Google Maps each month,
including **hundreds of millions of users in India**

Building for India



Local
expertise



Local
partnerships



Community
of users





Public Transport launched **2010**

Indian railways static schedules **2015**

Station name translations **Feb 2018**

Auto-rickshaw directions **Dec 2018**

Covid-19 Alerts and information **May 2020**

Mumbai bus (BEST) real-time location and ETA **May 2025**



2011
Public transport in in 8 cities

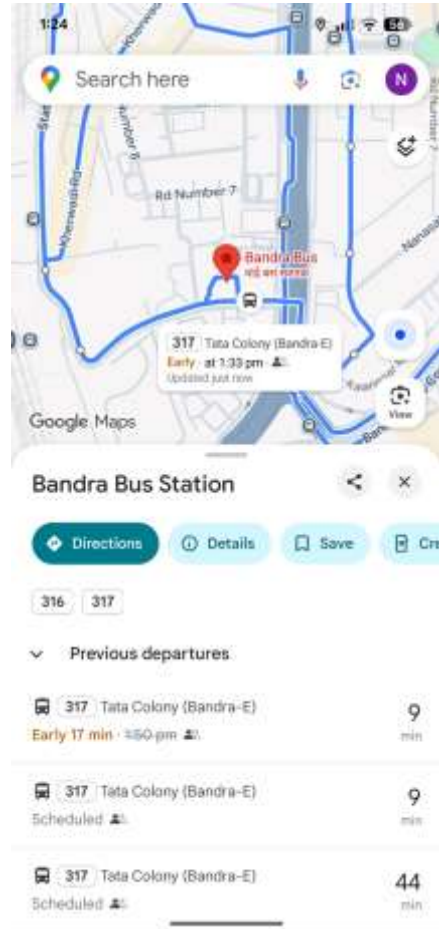
Mar 2017
Public transport in new cities

Aug 2018
Transit Guidance & Schematic Map notifications

Jan 2020
Public transport in new cities

Jul 2024
Metro ticket booking launch with ONDC and Namma Yatri

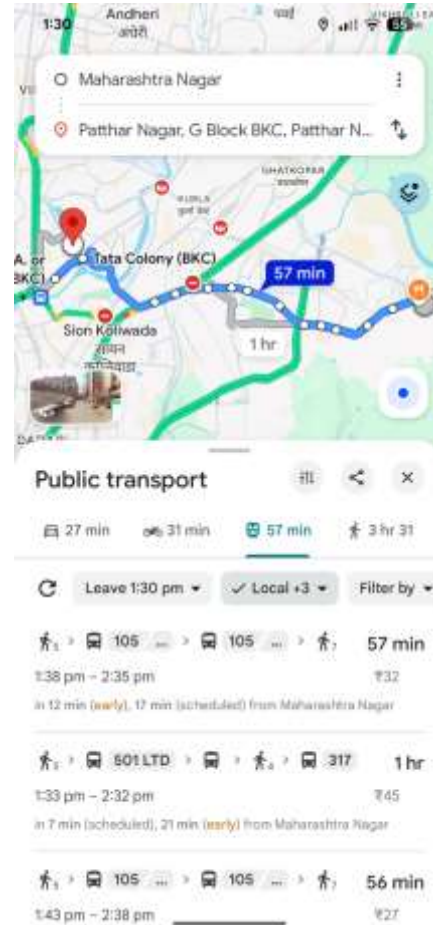
Stop Departure Board



The screenshot shows a Google Maps interface with a search bar at the top. Below the map, the location is identified as "Bandra Bus Station". A card for bus route 317 to Tata Colony (Bandra-E) is displayed, showing an early departure at 1:33 pm. Below this, a "Previous departures" section lists three scheduled departures for route 317 to Tata Colony (Bandra-E) with their respective times and durations.

Route	Destination	Time	Duration
317	Tata Colony (Bandra-E)	Early at 1:33 pm	-
317	Tata Colony (Bandra-E)	Scheduled	9 min
317	Tata Colony (Bandra-E)	Scheduled	44 min

Trip Listing



The screenshot shows a Google Maps interface with a search bar. Below the map, the location is identified as "Public transport". A card for route 105 is displayed, showing a 57 min trip from Maharashtra Nagar to Patthar Nagar. Below this, a "Public transport" section lists three scheduled trips for route 105 with their respective times, durations, and fares.

Route	Destination	Time	Duration	Fare
105	Patthar Nagar, G Block BKC, Patthar N...	1:38 pm - 2:35 pm	57 min	₹32
501LTD	Patthar Nagar, G Block BKC, Patthar N...	1:33 pm - 2:32 pm	1 hr	₹45
105	Patthar Nagar, G Block BKC, Patthar N...	1:43 pm - 2:38 pm	56 min	₹27



Trip Details

1:31

LE PARLE

105 C-505 105

Maharashtra Nagar 1:38 pm
Marikhurd, Mumbai, Maharashtra

Walk 5 min (300 m)

Maharashtra Nagar 1:43 pm
C-505: Santacruz Depot
Early 12 min - 1:55 pm

What's it like on board?
Not too crowded Accessibility

Also at 1:47 pm (scheduled)

Hide 22 stops (35 min)

M.M.R.D.A. or Family Court (BKC) 2:18 pm

Walk 2 min (120 m), then wait for up to 4 min

MMRDA / Family Court 2:24 pm
A-37F: Shivaji Nagar Bus Station
Scheduled

57 min 2:35 pm

Save

1:37

317 Tata Colony (Bandra-E)

from Bandra Bus Station

5 pm 1:33 pm 1:33 pm 2:08 pm 2:26

Show previous stops

Bandra Bus Station	1:33 pm
Early 17 min - 1:50 pm	
Kala Nagar (Bandra-E) Mhada Office	1:35 pm
Early 16 min - 1:51 pm	
M.I.G.Colony (Kala Nagar)	1:36 pm
Early 16 min - 1:52 pm	
Gandhi Nagar (Kanjurmarg)	1:36 pm
Early 16 min - 1:52 pm	
Hanuman Mandir (Kherwadi)	1:38 pm
Early 15 min - 1:53 pm	
G.S Colony (Bandra-E)	1:38 pm
Early 15 min - 1:53 pm	
Subhash Nagar	1:39 pm
Early 15 min - 1:54 pm	

Kharavela Online Station

Translations

1:38

यये शोधा

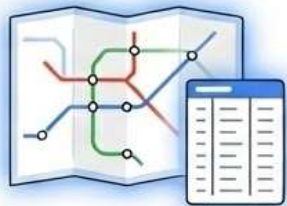
प्रस्थाने

महाराष्ट्र नगर पावून

पूर्वीची प्रस्थाने

C-505: सांतक्रुझ डेपो	1:44 PM
११ मि आधी - १:५५ PM	
105: Bandra Bus Station	1:47 PM
शेडपुल केवरेले	
C-505: सांतक्रुझ डेपो	2:01 PM
१२ मि आधी - २:१३ PM	
C-505: सांतक्रुझ डेपो	2:30 PM
शेडपुल केवरेले	

The General Transit Feed Specification allows agencies to publish transit data in a widely consumable format.



Static Component

Contains schedule, fare, and geographic transit information (eg station locations).



Real-time Component

Contains arrival predictions, vehicle positions (including occupancy status) and service alerts.

+10,000
agencies in
+100
countries

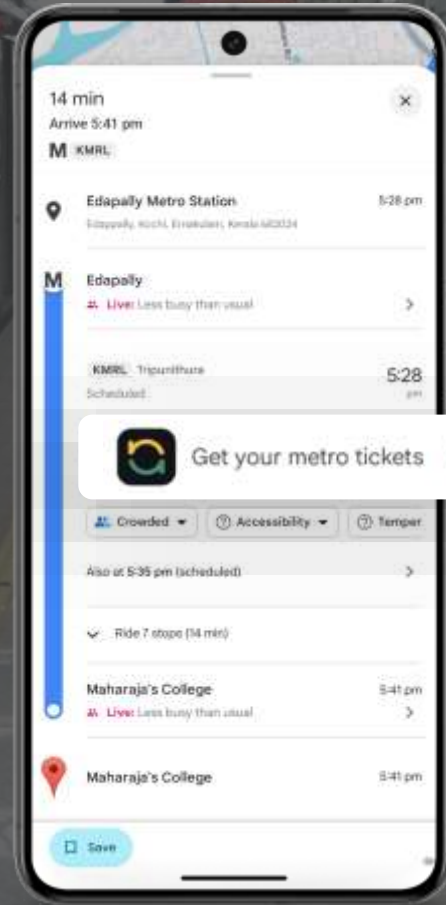
GTFS/ GTFS-RT
is used globally

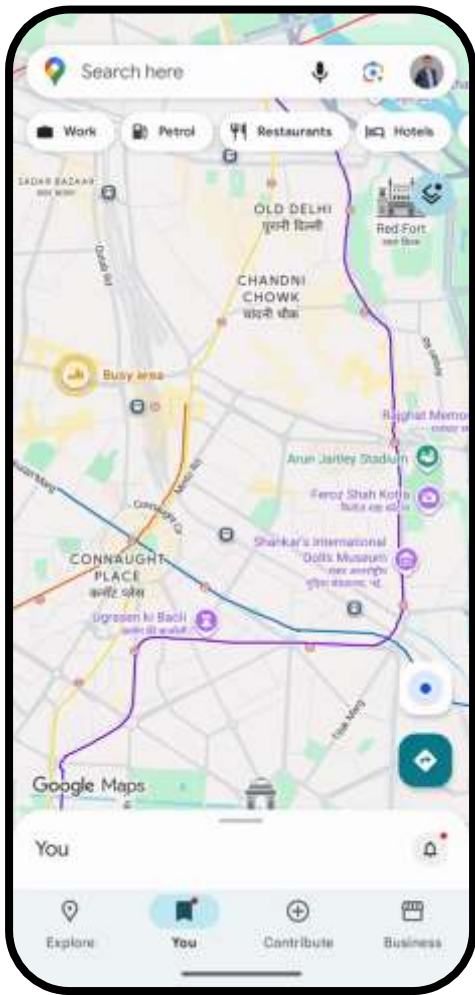
Metro Ticket Bookings

ONDC NETWORK

namma yatri

Google Maps





Easier Metro Ticket Management With Google Wallet

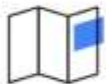
No more fumbling to access a booked ticket

Metro ticket booking to Maps now live in Delhi, Bangalore, Kochi, and Chennai - Mumbai launching soon

Users can now save purchased tickets directly to Google Wallet and access them easily from Maps

Available to Android users

Google Maps' enterprise tools have helped companies and government entities generate value from location-based experiences



Maps

Help users explore the world with detailed, custom maps products.

[See all](#)



Routes

Count on rich, detailed maps to help users navigate.

[See all](#)



Places

Show users places and points of interest with details at their fingertips.

[See all](#)

Green Light optimizes traffic lights to ...

... reduce vehicle emissions

in cities, helping

mitigate climate change

and

improve urban mobility



Upcoming product



User friendly recommendation interface for partner cities

The screenshot displays a Google Maps interface for Hyderabad, India. The map shows various landmarks and a search bar with the text "Search for intersection". Below the map, there is a filter section with buttons for "New", "Revert recommended", "Implemented", "Rejected", and "Reverted". A table below the filters lists recommendations with columns for Location, Status, Timeframe, Recommendation Type, and Creation Date.

Location	Status	Timeframe	Recommendation Type	Creation Date
Continental	New	06:00-16:00	Green time shift	Oct 5, 2025
Meeraj Café	New	06:00-22:00	Green time shift	Oct 5, 2025
WIPRO	New	06:00-08:30	Green time shift	Oct 5, 2025
Continental	Completed	16:00-20:00	Green time shift	Nov 14, 2022
Continental	Completed	09:00-13:00	Green time shift	Nov 14, 2022
Kalyan Nagar Jn	Completed	08:30-22:00	Green time shift	Feb 22, 2025

Roads Management Insights



The Shared Goal and Persistent Challenges of Road Networks.



Road Safety

Goal: Proactively identifying and mitigating risks to save lives and prevent injuries.

Challenge: Road crashes cause over 1 million preventable deaths and 50 million injuries each year.



Network Efficiency

Goal: Reducing congestion to save time, lower costs, and improve the daily lives of citizens.

Challenge: Traffic congestion continues to worsen. In the US, the average driver in 2022 spent 51 hours stuck in traffic.



Sustainable Transportation

Goal: Minimizing the environmental impact of traffic by reducing emissions from idling vehicles.

Challenge: Approximately 50% of greenhouse gas emissions (when accounting for fuel production) are caused by transportation.

Progress is stalled because we're forced to manage 21st-century roads with 20th-century information.



Physical Sensors: Limited coverage, expensive to install and maintain.



CCTV Cameras: Costly and fragmented, providing a partial view without network-wide context.



Manual Surveys: Infrequent, labor-intensive, and quickly outdated.

This leaves authorities in a constant state of reaction, unable to see the full picture, predict problems, or measure the impact of interventions effectively.

A Data-Driven Response to Manage Our Road Networks

RMI enables local authorities and their partners to access Google's best-in-class road information to improve the safety and efficiency of road networks and make data-driven decisions.

Empowering the organizations who manage our roads:



Cities and regions

For major metropolitan areas to smaller urban centers.



Road Authorities

For trusted public and private organizations that manage public infrastructure such as transportation networks, utilities, and public spaces.



Public Sector

For local government bodies and agencies involved in urban development, infrastructure, and public services.

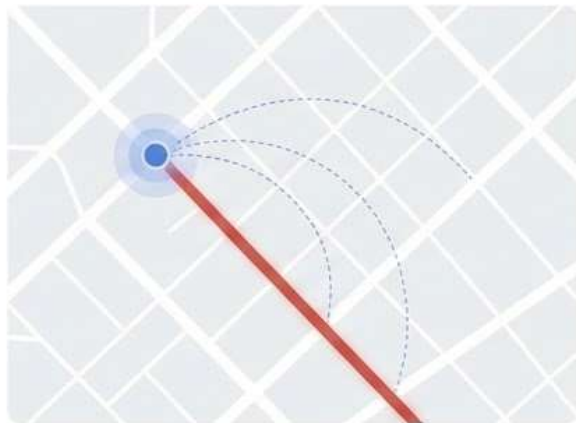
From Raw Data to Actionable Insight

Analyze Historical Data



Identify congestion patterns within road networks, pinpoint potential causes of slowdowns, and take informed action based on data-driven insights.

Get Real-time Monitoring



Detect and respond to traffic disruptions in real-time by identifying sudden speed drops, pinpointing the cause, and enabling swift action like rerouting traffic.

Make Data-Driven Decisions



Overcome the limitations of traditional data collection methods and proactively respond to congestion and safety issues.



Thank You