

HACKATHON

**ALL INDIA
WOMEN**



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OUR TEAM

HACK O' HOLICS

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Contribution toward
Web Development,
Blogs, News, Future
scope.

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Contribution toward
finding the Contents
and Carbon footprint
Calculator.

**Prisha
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Contribution toward
finding the optimized
route.



PROBLEM STATEMENT

SUSTAINABLE TRANSPORTATION

Sustainability

Sustainability in transportation encompasses a range of measures, policies, and innovations designed to reduce the adverse environmental, social, and economic effects of transportation systems. Given the transportation sector's substantial contribution to greenhouse gas emissions, air pollution, and resource depletion, adopting sustainable practices becomes crucial in combating climate change and fostering a healthier planet. By embracing sustainable transportation solutions, we strive to strike a balance between meeting our mobility needs and safeguarding the well-being of both people and the environment.

The problem we aim to address is the need for sustainable transportation solutions in urban areas. As cities continue to grow and populations increase, traditional modes of transportation such as private cars contribute to traffic congestion, air pollution, and increased carbon emissions. This creates a poor quality of life and hence decreases the overall efficiency. It also increases the carbon footprint. Our goal is to develop innovative solutions that promote sustainable urban mobility that aims to reduce the carbon footprint, reduce dependency on private vehicles, and improve the efficiency of transportation systems. These solution will prioritize the usage environment-friendly mode of transportation and will motivate the citizens towards it.

PROBLEM STATEMENT



IDEA NAME

- Reducing carbon footprint by following an optimized route.



SOLUTION

As cities grow and populations increase, the impact of traditional transportation modes, particularly private cars, has become evident in traffic congestion, air pollution, and heightened carbon emissions.

Understanding the importance of informed choices, we have also developed a carbon footprint calculator. With this tool, users can gauge their transportation-related environmental impact and take meaningful steps to reduce it.

STEP-1

To achieve this, we have introduced an interactive map that empowers users to input their cities and discover highlighted paths for the shortest routes.

STEP-2

Together, let's embrace sustainable urban mobility for a greener tomorrow and a better world for future generations.

STEP-3

SOLUTION (CONT.)

Should address main aspects associated with sustainable transportation, including infrastructure development, seamless integration of different modes of transport, user experience, and behavior change. Additionally, they should consider factors such as affordability, efficiency, accessibility, safety, and scalability to ensure widespread adoption and impact. By providing viable and practical solutions to urban mobility challenges, we aim to create greener, healthier, and more livable cities for present and future generations, reducing congestion, improving air quality, increasing the quality of life, and nurturing sustainable economic growth.

*Wow
Factors!*

Home Page

Sustainable Transport System

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Explore Now

About the Website

About-us

We're on a mission to improve city travel in a way that's good for the planet. As cities grow and more people use cars, we see problems like traffic jams, pollution, and more carbon emissions. We want to fix that by offering sustainable solutions for a cleaner and more efficient urban environment.



To make this happen, we've created an interactive map that lets you enter your city and find the best routes. These routes are fast and eco-friendly, making it easier for you to choose sustainable ways to get around. You can also create an account to get personalized travel suggestions just for you.



About Sustainability

Sustainability



Our team is going to provide the solution for the sustainable transport

Why we are at top?

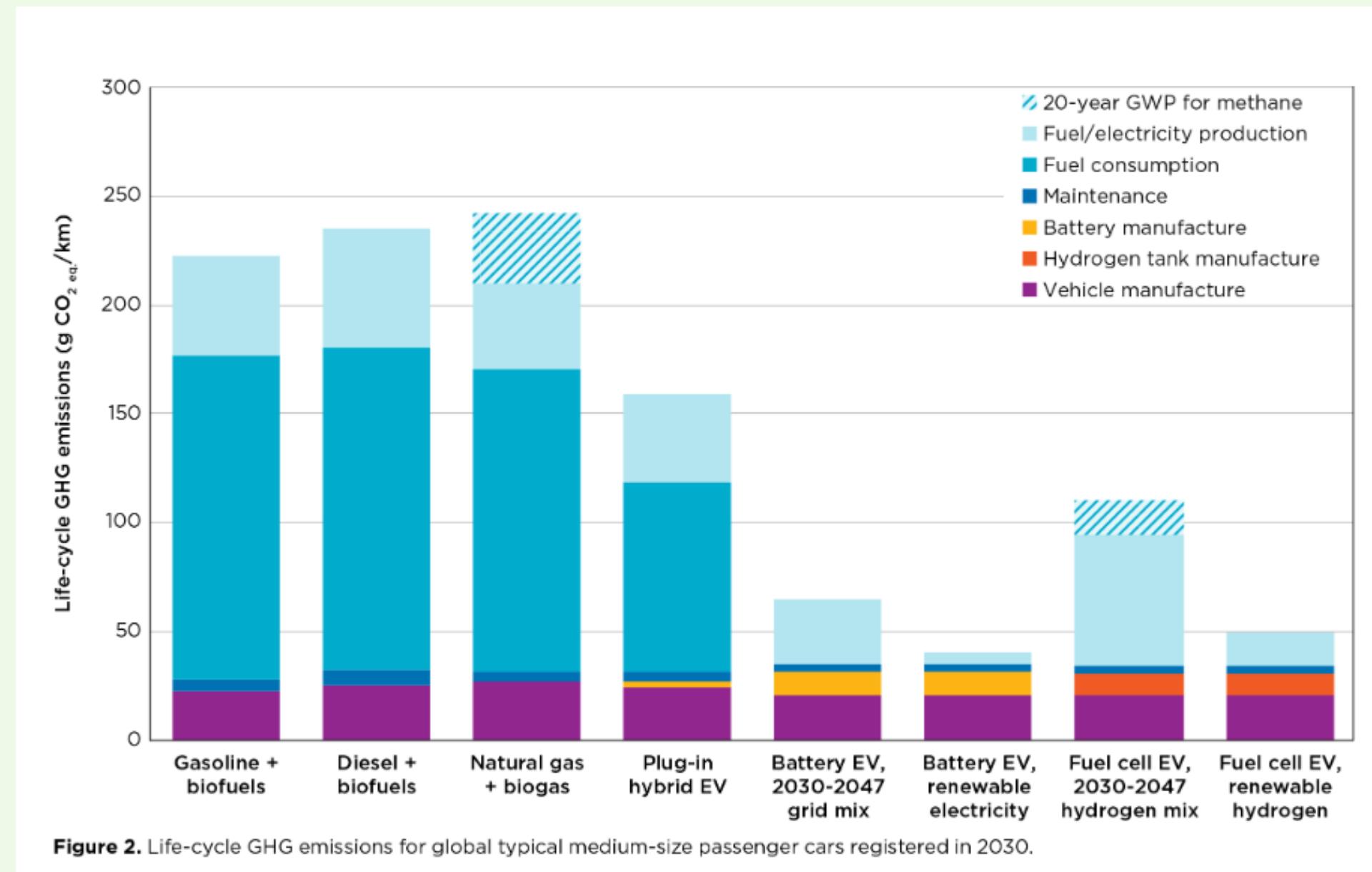
we are providing the best solution of sustainable transport.

[learn more](#)

Transportation is the second leading contributor of global greenhouse gas emissions, largely due to driving. To address climate change, and make cities healthier and more livable, we need to revolutionize urban transportation toward a shared, electric, and carbon free future.

1. Electric vehicles typically have a smaller carbon footprint than gasoline cars, even when accounting for the electricity used for charging. Electric vehicles (EVs) have no tailpipe emissions. research shows that an EV is typically responsible for lower levels of greenhouse gases (GHGs) than an average new gasoline car.

2. Fuel cell electric vehicles emit only water vapor and warm air, producing no harmful tailpipe emissions. Similar to electricity, hydrogen is an energy carrier that can be produced from various feedstocks. These feedstocks and production methods should be considered when evaluating hydrogen emissions.



3. Inland Waterway Transport Energy Efficiency: Barges and boats used in inland waterway transport are typically more energy-efficient than trucks and airplanes. They can move large amounts of cargo with less fuel consumption per ton-kilometer. While inland waterway transport's carbon footprint is relatively low compared to other modes, it is essential to view it in the context of the entire supply chain.



News

News & Blogs

1. The Future Of Mobility



Creating sustainable, collaborative supply chains that improve resilience.

Using AI and connected data to create agile business processes.

Delivering personalized in-car and customer experiences.

Embracing innovation with software-driven and autonomous vehicles.

Designing new experiences in the metaverse that inspire, connect and empower.

2. Powering the future sustainable mobility in india's business ecosystem



Charging infrastructure: In 2016, India had less than 500 EV charging stations across Delhi, Mumbai, Bengaluru, and Kolkata, which increased to 993 by the end of July 2020. It is estimated that by 2030, Delhi will need around 300,000 high-speed charging stations.

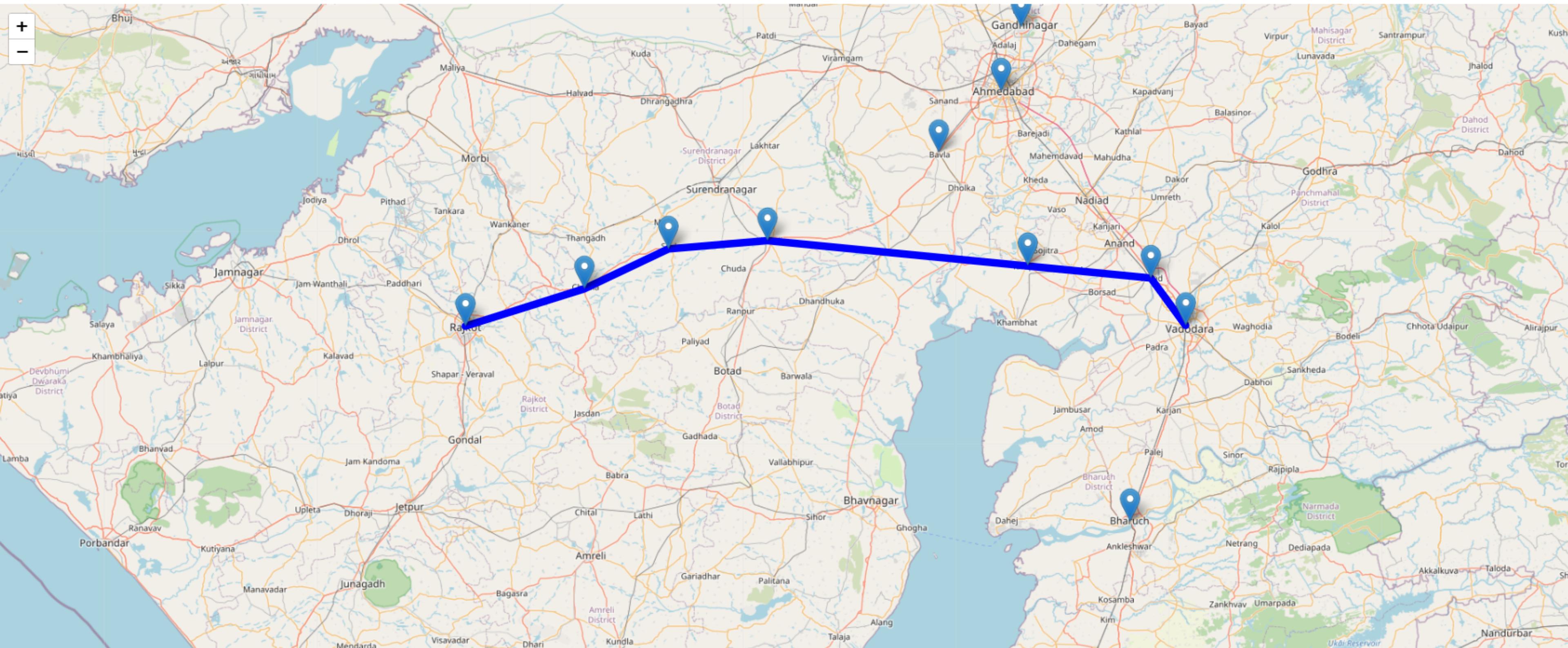
EV30@30 Campaign: The initiative aims for EV sales share to reach 30 percent by 2030. The Campaign sees potential and supports the market for electric passenger cars, light commercial vans, buses, and trucks and focuses on the charging infrastructure needed to supply sufficient power to the vehicles deployed.

Solution

Shortest Route Finder

Start City: Rajkot End City: Vadodara Find Shortest Route

Shortest route from Rajkot to Vadodara: Rajkot -> Chotila -> Sayla -> Limbdi -> Tarapur -> Vasad -> Vadodara



User Interaction

CONTACT US

Your Name

Your Email Address

Your Phone Number

Subject

Your Message

SEND MESSAGE

QUICK LINKS

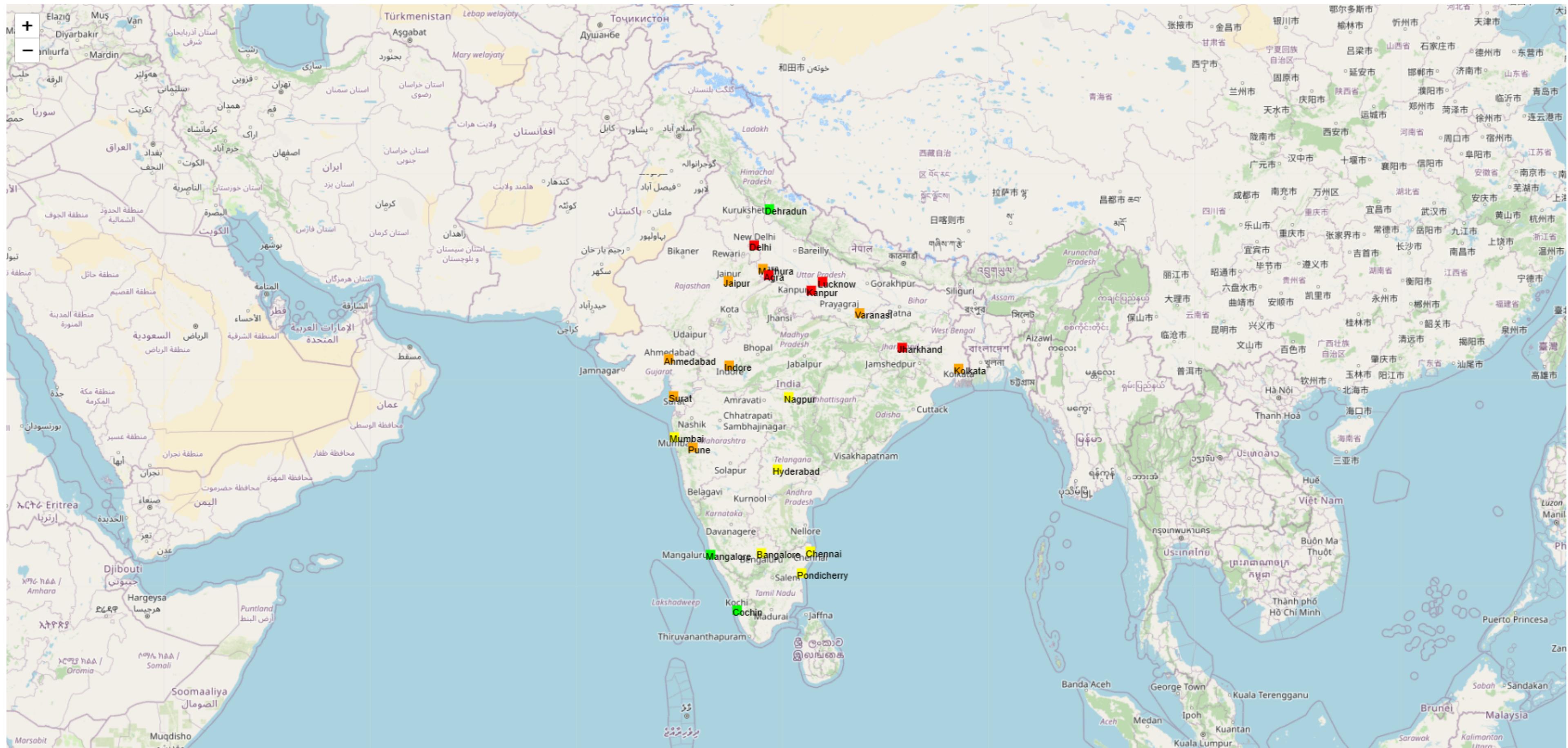
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EXTRA LINKS

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Pollution Rate

Carbon - Emission Rate Of Cities In India



TECHNOLOGY



HTMI



CSS

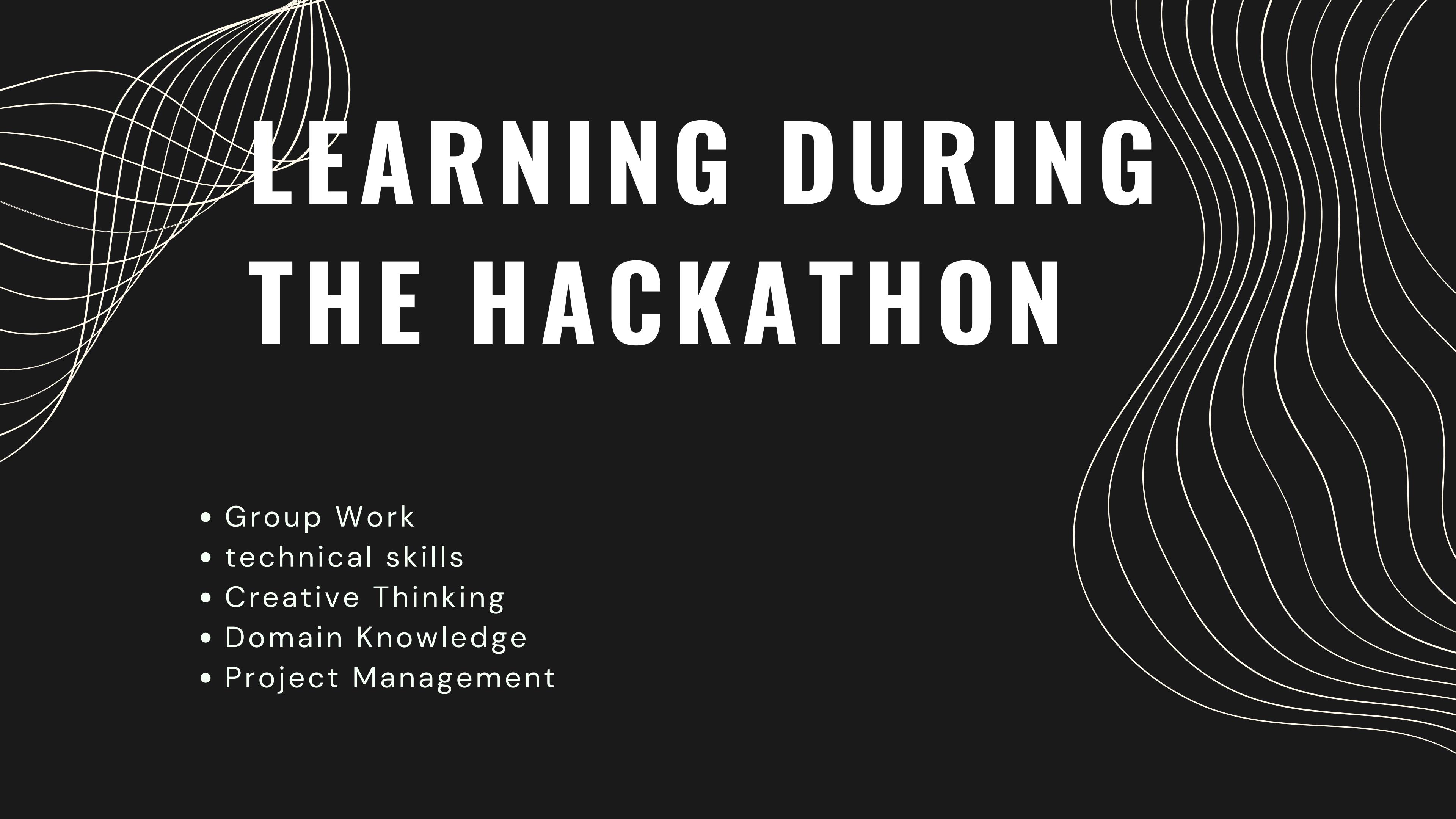


JavaScripsts

FUTURE SCOPE

The future scope of sustainability development using the reduction of carbon footprint involves advancements in clean transportation, smart cities, sustainable aviation and shipping, decentralized energy systems, carbon offsetting, circular economy practices, green finance, behavioral changes, and international cooperation to combat climate change and promote a more sustainable world.





LEARNING DURING THE HACKATHON

- Group Work
- technical skills
- Creative Thinking
- Domain Knowledge
- Project Management

CONCLUSION

In conclusion, sustainable development achieved through carbon footprint reduction plays a vital role in safeguarding the environment and building a more promising future. By actively reducing carbon emissions and advocating eco-friendly practices, we can effectively combat the adverse impacts of climate change while preserving our precious natural resources.

As we collectively adopt these practices and foster collaboration across all sectors, we create a powerful force for positive change. Together, we can ensure a healthier planet and leave a lasting legacy of sustainability for generations to come.

REFERENCES

- 01** [HITACHI ENERGY](#)
- 02** [TIMES OF INDIA](#)
- 03** [BLOG](#)
- 04**

**THANKS FOR
WATCHING**

