

THE >>>>
PARKING
INNOVATION
CHALLENGE

2024

SOLVING
PARKING PROBLEMS
OF BHARAT

SUPPORTED BY



सड़क परिवहन
एवं राजमार्ग मंत्रालय
MINISTRY OF
ROAD TRANSPORT
AND HIGHWAYS

सत्यमेव जयते

Nationwide >>>>>
Hackathon
on Parking

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About The HACKATHON

THE CAUSE WE PROMOTE



Join us in our mission for safer roads through the Parking Innovation Challenge. Together, let's pave the way for innovative solutions that prioritize road safety and save lives. Support the cause today

Are you passionate about solving urban challenges and creating smarter cities? The Parking Innovation Challenge is a collaborative effort by WAFOUNDATION and partnered with TZBZ, Spain and MTA, Spain to address the pressing issue of parking in our cities. This hackathon provides a platform for bright minds, developers, and enthusiasts to come together and devise innovative solutions for a more efficient and sustainable parking future.

What to Expect



Inspiring Challenges

Participants will encounter real-world parking problems, co-designed with city authorities and industry experts, to ensure their relevance and impact.



Mentorship/ Networking

Industry experts will guide and support teams throughout the hackathon, providing valuable insights to refine their ideas.



Ready To Go Market Assistance

We are committed to assisting the winners by providing a comprehensive and effective ready-to-go market strategy, ensuring their innovative ideas reach the market with maximum impact.



Prizes

Top-performing teams with the most promising and innovative solutions stand a chance to win exciting prizes and recognition.

MAIN OBJECTIVES



PARKING TECHNOLOGY



PARKING INNOVATION



PARKING ADOPTION

The Parking Innovation Challenge 2024 is driven by three main objectives: Parking Technology, Parking Innovation, and Parking Adoption. Parking Technology focuses on harnessing the latest advancements in digital and automation technologies to streamline and enhance parking systems. This includes the use of smart sensors, real-time data analytics, mobile applications, and automated payment systems to improve efficiency, convenience, and the overall user experience. The goal is to create seamless, intelligent parking solutions that significantly reduce the time and effort involved in finding and managing parking spaces.

Parking Innovation aims to inspire creative and sustainable approaches to solve urban parking challenges. Participants are encouraged to think outside the box and develop new models and strategies that can revolutionize traditional parking paradigms. This could involve designing multi-functional parking structures, implementing eco-friendly

parking solutions, or creating community-driven models that maximize space utilization and minimize environmental impact.

Finally, Parking Adoption ensures that these innovative solutions are not only developed but also effectively implemented and embraced by the community. This involves raising awareness, engaging with stakeholders, and promoting policies that support the widespread adoption of new technologies and practices. By focusing on these three objectives, The Parking Innovation Challenge 2024 seeks to revolutionize urban parking, making it smarter, more efficient, and sustainable for the future.



PARKING TECHNOLOGY



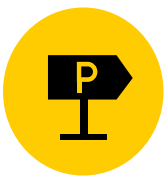
Smart Parking Solutions

Encourage participants to develop smart parking systems that utilize technologies like sensors, IoT devices, mobile apps, and data analytics to optimize parking space management and enhance user experience.



Parking Reservation & Booking Platforms

Challenge participants to create reservation and booking platforms that allow users to reserve parking spaces in advance, providing real-time availability information, pricing, and seamless payment options.



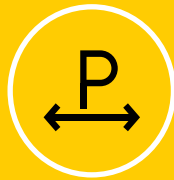
Parking Navigation & Guidance Systems

Prompt participants to develop navigation and guidance systems that help drivers easily locate available parking spaces using real-time data, interactive maps, and user-friendly interfaces.





PARKING INNOVATION



Parking Space Utilization

Encourage participants to propose innovative ideas for maximizing parking space utilization, such as dynamic pricing models, shared parking platforms, or solutions that facilitate efficient sharing of parking spaces during off-peak hours.



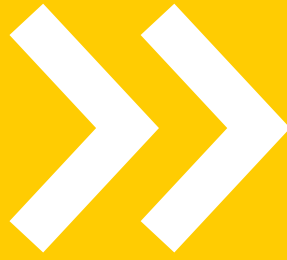
Accessibility & Inclusive Parking

Encourage participants to develop solutions that address accessibility challenges, such as providing real-time information on accessible parking spaces, designing user-friendly parking interfaces for individuals with disabilities, or leveraging assistive technologies to improve parking experiences for all users.



Sustainable Parking Solutions

Encourage participants to explore sustainable parking solutions, such as integrating electric vehicle (EV) charging infrastructure with parking spaces, promoting EV parking incentives, or developing green parking initiatives to encourage eco-friendly transportation options.



PARKING ADOPTION



Community Engagement & Awareness

Prompt participants to create innovative approaches to engage the community in parking management, such as developing educational campaigns, gamification elements, or social platforms that encourage citizens to actively participate in finding parking solutions.



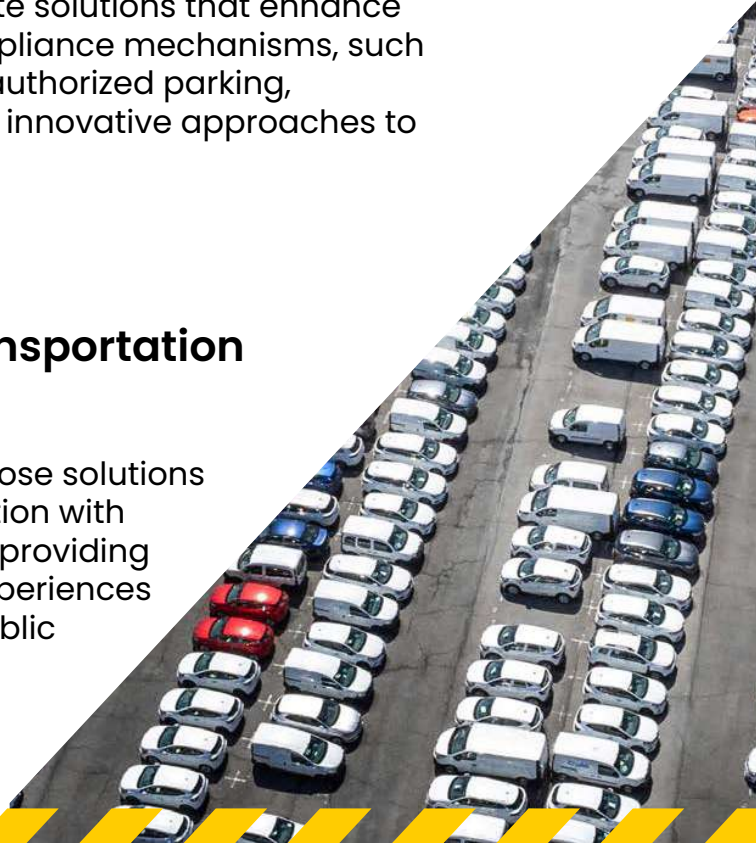
Parking Enforcement & Compliance

Challenge participants to create solutions that enhance parking enforcement and compliance mechanisms, such as automated detection of unauthorized parking, electronic ticketing systems, or innovative approaches to managing parking violations.



Parking and Public Transportation Integration

Challenge participants to propose solutions that integrate parking information with public transportation systems, providing seamless multimodal travel experiences and encouraging the use of public transit.



Our Mentors



Vaibhav Dange

Public Policy Expert on Sustainable Mobility
Infra & Green Fuels



Sudhendu J. Sinha

Adviser (Infra Connectivity & Electric Mobility)
NITI Aayog



Prof. Manoranjan Parida

Director, CSIR-Central Road Research Institute



Pechimuthu Udayakumar

Ex-CMD and Director, NSIC, New Delhi



Rajeev Jalnapurkar

Former Director & CEO, Ramoji Film

Subject Matter Experts



Nimish Sonawala

Managing Director
Skidata India



Aubin Joe

Co-Founder
Autospatial Private Limited



Warren Swart

Co-Founder
Innovative Mavericks



Vishal Pujar

Urban Planner
Vistar Consultants



Saumil Kulkarni

Sr. Enterprise Architect
Archer Daniels Midland Company



Vinay Barigidad

Founder & CEO
Vinz Global

OUR JURIES



Dr. Ch. Ravi Sekhar
Chief Scientist and Head TPE Division



Dr. S. Velmurugan
Chief Scientist and Head TES Division



Dr. E. Madhu
Chief Scientist



Dr. K. Ravinder
Chief Scientist



Dr. Mukti Advani
Sr. Principal Scientist



Neelesh Chougule
Founder Chairman & MD, Creintors Group



Viral Thakkar
Associate Vice President
Infosys



Allahbaksh Mohammedali Asadullah
Associate Vice President
Infosys



Badrinath Rao
C.E.O, Cattleya Technosys

IMPLEMENTATION TEAM



Akhilesh Srivastava

Road Safety Ambassador-IRF
IT Advisor ITDA, Uttrakhand

Former CGM-NHAI, COO-IHMCL, CEO-NHAI InvIT



Mangesh Wankhade

Founder & CEO
WAFUNDATION



Iskander Alkate

Business strategy and expert
Tazebaez S.Coop, Bira consultancy line.
India Business Expeditions.



Dr. Sajid Alvi

Director, Academic Alliances
WAFUNDATION



Snehal Wankhede

Director - Finance
WAFUNDATION



Krishna Sharma

Director - Marketing
WAFUNDATION



Nanditha KR

Development Manager
Infosys



Ida D'souza

Development Manager
Infosys



Manasi Subhash Waghmare

Project Manager
WAFUNDATION

PARTNERS



CSIR-Central Road Research Institute (CRRI), a premier national laboratory established in 1952, a constituent of Council of Scientific and Industrial Research (CSIR) is engaged in carrying out research and development projects on design, construction and maintenance of roads and runways.



ITS India Forum is a non-profit organization dedicated to promoting the development and deployment of intelligent transportation systems (ITS) in India. Their mission is to help in creating a more efficient, safe, and sustainable transportation system for India.



Established in 1981, the Indian multinational corporation, Infosys is celebrated for its commitment to delivering business value to clients by leveraging its deep industry expertise, diverse talent pool, and a comprehensive suite of services.



Vinz Global provides a variety of software solutions to businesses across a wide range of industries. The company's services include consulting, software development, testing, RPA & hyper-automation, IT infrastructure & maintenance activities.



SKIDATA is an Austrian tech company that provides access control and visitor management solutions for parking, mountains, and stadium.



Buildindia is a docu series on Discovery that tells the never-before-told stories about India's drive to build world-class infrastructure at an unprecedented speed. And a series to provide Indians in depth knowledge about struggles and achievements of our engineers.



PhillipCapital India offers a wide range of investment products and services to retail and institutional investors in India. The company's products include mutual funds, exchange-traded funds (ETFs), structured products, and portfolio management services.



BVG India Limited is an integrated services company headquartered in Pune, Maharashtra, India. The company has a number of initiatives in place to support the development of the communities in which it operates.



Triz Asia is a technical innovation solutions provider that works with global consumer goods, industrial products, and medical products companies to solve their most complex product, packaging, and process innovation challenges.



Nozy Parker is a digital solution and services company that provides a software platform for the Prop Tech Industry. They are considered the thought leader in Parking Management, digital solutions and parking ecosystem design.

CURTAIN RAISER HIGHLIGHTS

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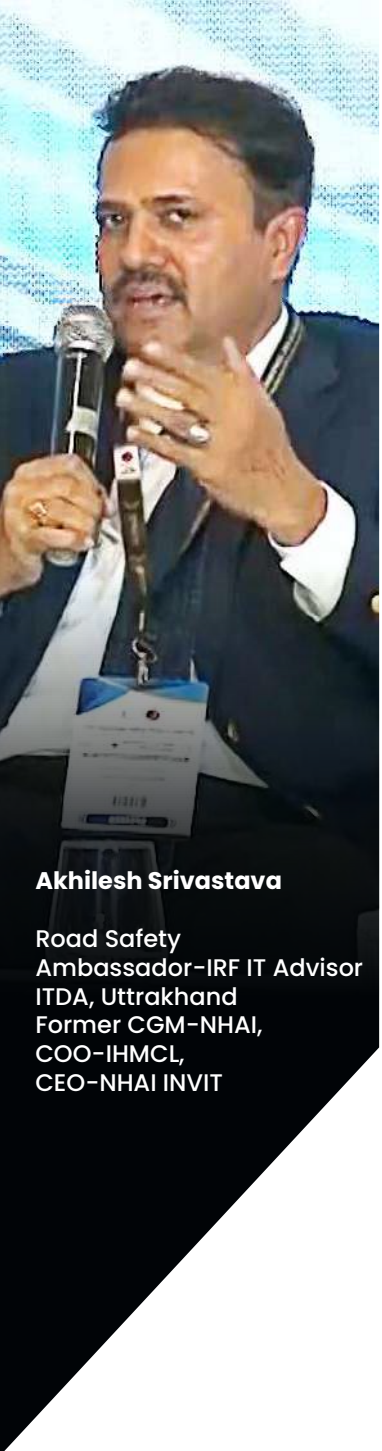
Event HIGHLIGHTS

GRC 2023 Panel Discussion

Expressing gratitude to the Global Road Construction Conference for their instrumental role in organizing the event and fostering a collaborative environment. Acknowledging the invaluable contributions of Mr. Nitin Gadkari, Union Minister of Road Transport & Highways, for participating in the event through video conferencing.

The heart of the curtain raiser was the enlightening panel discussion conducted by the renowned Global Road Construction Conference. This section details the key highlights of the discussion, including insights from industry experts and thought leaders.





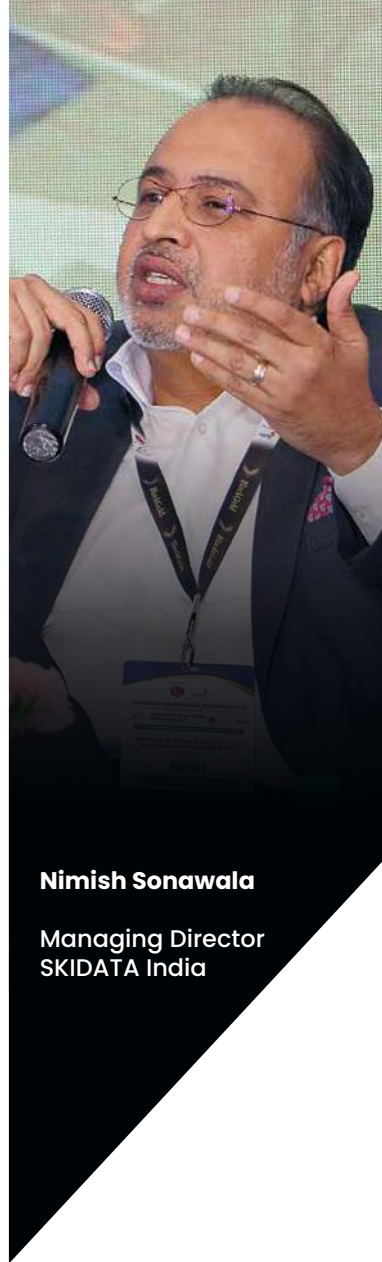
Akhilesh Srivastava

Road Safety
Ambassador-IRF IT Advisor
ITDA, Uttarakhand
Former CGM-NHAI,
COO-IHMCL,
CEO-NHAI INVIT



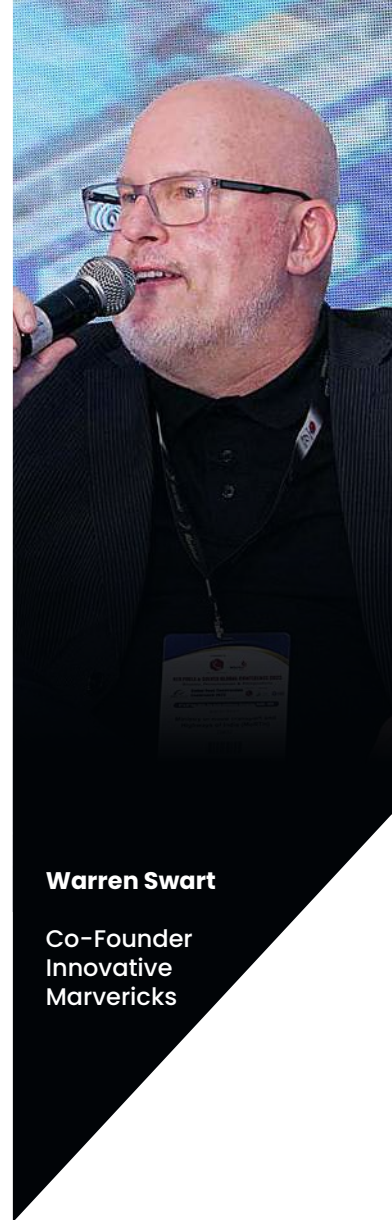
Mangesh Wankhade

Founder & CEO
WAFOUNDATION



Nimish Sonawala

Managing Director
SKIDATA India



Warren Swart

Co-Founder
Innovative
Marvericks



Success OVERVIEW

The Impact of the Panel Discussion

Highlighting the impact of the panel discussion on creating awareness about the critical role of parking in urban transportation. Emphasizing the collaborative spirit fostered during the event and its potential implications for the future.

Vision for the Parking Innovation Challenge 2024

Providing a glimpse into the vision and goals of the Parking Innovation Challenge 2024. Illustrating how the curtain raiser event successfully generated enthusiasm and anticipation for the upcoming challenge.



NEIGHBOURHOOD PARKING POLICY DRAFT PAPER

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2024



Event HIGHLIGHTS

During the illustrious Build India Infrastructure Award 2024, the Honourable Minister of Road Transport & Highways, Shri Nitin Gadkari, unveiled the Neighbourhood Parking Policy Draft Paper. This landmark policy initiative is designed to tackle the growing challenges of urban parking in India, proposing innovative, community-focused solutions to reduce congestion and enhance urban mobility. The event, which celebrates excellence in infrastructure development, provided a fitting backdrop for this significant announcement, underscoring the government's commitment to sustainable urban development and smart city initiatives.



THE VITAL ROLE OF PUBLIC-PRIVATE PARTNERSHIPS IN ADDRESSING URBAN CHALLENGES

The Parking Innovation Challenge 2024, an initiative organized by the WA Foundation is a platform designed to tackle the pressing issue of urban parking through technological advancements and innovative thinking. This challenge brings together participants from diverse backgrounds to develop smart, efficient, and sustainable parking solutions. In addition to this, the foundation runs

numerous other programs focused on urban sustainability, such as green building initiatives, waste management projects, and public transportation improvements. Under the visionary leadership of Mr. Mangesh Wankhade, the WA Foundation continues to make significant strides in creating socially aware and environmentally sustainable urban communities.



Civil Partners



Vaibhav Dange
Founder & Curator, Build India



Vision and dedication to promoting infrastructure excellence provided the perfect platform for the Neighbourhood Parking Policy booklet launch.

Mr. Vaibhav Dange, the Founder of Build India and the event organizer, was present. His vision and dedication to promoting infrastructure excellence created an ideal platform for the launch of the Neighbourhood Parking Policy. Mr. Dange's efforts in organizing the Build India Infrastructure Award have consistently united key stakeholders from government, industry, and civil society to collaborate on innovative solutions for India's infrastructure challenges. The presence of these leaders at the event highlights a strong collaborative effort to ensure the successful implementation of the Neighbourhood Parking Policy and to cultivate a sustainable and efficient urban environment for future generations.



ACTIVITIES

Soft Launch

Announcement of the challenge, opening of early bird registration

June 01 - June 31

Jun 24

Formal Launch

Detailed guidelines released, submission portal opens, promotion

Jul 01 - Jul 31

Jul 24

Synopsis Submission Phase

Participants submit project synopses, review by organizing team

Aug 01 - Aug 31

Aug 24

Evaluation Phase

Judges evaluate selected projects

Dec 01 - Dec 31

Dec 24

Project Development

Shortlisted participants develop projects, submission portal for finals

Oct 01 - Nov 30

Oct 24

Evaluation Phase

Judges evaluate synopses, shortlisting of top projects

Sep 01 - Sep 30

Sep 24

Final Event

Presentation of final projects, judging, announcement of winners

Jan 01 - Jan 31

Jan 25



PRIZES



Technology

₹ 1,25,000

Innovation

₹ 1,25,000

Adoption

₹ 1,25,000



Technology

₹ 2,25,000

Innovation

₹ 2,25,000

Adoption

₹ 2,25,000



Technology

₹ 75,000

Innovation

₹ 75,000

Adoption

₹ 75,000

HONORABLE MENTION 1

Technology

₹ 25,000

Innovation

₹ 25,000

Adoption

₹ 25,000

HONORABLE MENTION 2

Technology

₹ 20,000

Innovation

₹ 20,000

Adoption

₹ 20,000





Who Can PARTICIPATE?

Whether you're a seasoned coder, an urban planning enthusiast, a tech-savvy student, or a creative designer, this hackathon welcomes participants from all backgrounds. Your diverse skills and fresh perspectives are key to reshaping the future of parking.

Participation is free and easy!

To register and secure your spot in The Parking Innovation Challenge.

Hackathon Starts: **November, 2023**

Hackathon Ends: **January, 2025**

For inquiries

Please mail us at **pic@wa.foundation**

Call: **+91 741 005 0674**

Follow us on social media for updates

 @WAFUNDATION  @WAFUNDATION



Let's Participate

<https://hackathon.wa.foundation>

