



Basic details

Problem statement

A solution/idea that can boost the current situation of the tourism industries including hotels, travel and others

Team name: CODING NERDS

TEAM LEADER: Debanjali Dutta

THEME NAME: Tourism





01 Infrastructure Development

<u>Civil Engineers</u>: Engage civil engineers to design and oversee the construction and maintenance of robust road networks, bridges, and transportation hubs. Their expertise will ensure the durability and safety of these critical structures. **★**

Al-Assisted Traffic Management: Implement Al-based traffic management systems to optimize traffic flow, reduce congestion, and enhance transportation efficiency which is crucial in ensuring a smooth travel experience unists.





tech-driven solution, including contactless and mobil apps, enhancing global experiences.

Digital Marketing and Al Analytics: Collabora with digital marketing experts and AI specialists to create targeted marketing campaigns. Al analytics can help identify the most effective strategies for attracting and retaining tourists.



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4.0 Cultural and Heritage Promotion: Heritage Conservation Engineering: Employ heritage conservation specialists and engineers to restore and maintain historical sites, ensuring their longevity. Use cutting edge technology like 3D scanning for documentation and reconstruction.
 5.0 Safety and Security: Security Systems Integration: Utilize engineering expectise to integrate advanced security systems, like AI-based surveillance, biometric access control, and emergency response networks to enhance safety.
 6.0 Collaboration with Neighboring Destinations: Transport Infrastructure Planning: Collaborate with

transportation engineers from neighboring states to plan and develop seamless transport networks that connect Siliguri with

7.0 Cuisine Promotion: Al in Food Quality Assurance: Deploy Al for food quality control and safety in the local foodindustry, ensuring tourists' trust in food cuisine.

popular destinations.

Our use cases

Civil Engineering Role

- we use our civil engineering expertise to design and oversee the construction of robust and resilient infrastructure, including roads, bridges, and transportation hubs,
- ensure that tourist facilities and accommodations meet safety and quality standards.
- Collaborate on heritage conservation projects to preserve and restore historical sites in the region.

Al Engineering Role

- Implement Al-driven solutions for various aspects of tourism like ai controlled traffic light, hotel booking management etc.
- Create Al-powered marketing and analytics strategies to attract and retain tourists.

Our dependency Local Government and Regulatory Bodies

- Private Sector Partners
- Local Workforce and Training Institutions
- Environmental Conservation and Sustainability
 Agencies:
- Technology Partners
 - Safety and Security Authorities

Team leader: Debanjali Dutta

Btech AIML 1 YEAR

Team member: Sayan Kumar Gayen

Btech CIVIL 1st YEAR

Team member: Ankit Das

Btech CIVIL 1st YEAR

Team member: Nilesh Shukla

Btech AIML 1st YEAR

Team member: Arka Saha

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Team member: Kingshuk Roy

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