

INVENTION DISCLOSURE FORM

INNOTECH PROJECT ID (PCS 25-14)

DEPARTMENT : Computer Science

1. Title of your invention : Virtual Visit To Indian Pilgrimages “DARSHAN”

2. Type of Invention:

Through an intuitive website, the software application (Interactive Web Platform) aims to improve accessibility and cultural awareness by offering an immersive and instructive virtual tour of Indian pilgrimage sites and heritage landmarks.

3. Brief Description of your invention:

Users can digitally tour well-known Indian pilgrimage sites and heritage landmarks with Drashan, an interactive web application. The website offers a genuine and captivating experience by utilizing 360-degree photos, movies, and interactive elements. Without the need for specific technology, it offers gamified learning experiences, guided tours, and comprehensive historical and cultural material that can all be accessed through a browser.

4. Objective of your invention :

- .To promote cultural awareness and education about Indian heritage and pilgrimage sites.
- To make heritage sites accessible to people who cannot visit them physically due to distance, cost, or physical limitations.
- To provide an interactive and engaging platform for students, researchers, and tourists to explore Indian culture and history.
- To preserve and digitally archive heritage sites for future generations.

5. How to use the invention :

- .Users can access the platform via any web browser on desktops, laptops, or mobile devices.

- Select a pilgrimage site or heritage monument from the list.
- Explore the site using 360-degree images and videos with interactive hotspots for detailed information.
- Participate in guided tours, quizzes, and gamified challenges to enhance learning.
- Access historical archives, videos, and cultural insights related to the site

6. Problem your invention is solving :

- **Limited Accessibility:** Many people cannot visit pilgrimage sites or heritage monuments due to physical, financial, or geographical constraints.
- **Lack of Awareness:** There is a lack of awareness and understanding of India's rich cultural and historical heritage among younger generations.
- **Preservation:** Many heritage sites are at risk of damage or destruction due to natural disasters, pollution, or human activities. This platform helps preserve them digitally.
- **Engagement:** Traditional methods of learning about heritage sites are often not engaging or interactive.

7. Purpose and object of Invention :

Through the use of cutting-edge web technologies, Drashan seeks to preserve heritage, foster cultural awareness, and offer an engaging educational experience by developing an interactive and educational web platform that makes Indian pilgrimage sites and heritage monuments accessible to a worldwide audience.

8. Discuss potential commercial application of the invention :

- **Tourism Industry:** Can be marketed to travel agencies, tourism boards, and cultural organizations as a tool for virtual tourism.
- **Education Sector:** Can be integrated into school and university curriculums for history and cultural studies.

- Research and Preservation: Can be used by researchers and historians for studying and preserving heritage sites.
- SaaS Model: Can be commercialized as a subscription-based service for individuals and institutions.
- Partnerships: Can collaborate with government bodies like the Archaeological Survey of India (ASI) and Ministry of Tourism for wider adoption.

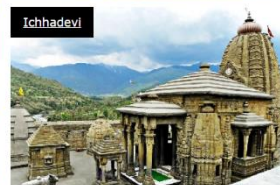
9. Provide any additional material (such as photographs, reports, publications, and references to texts or other information material) which may be helpful to an understanding of the invention identify and indicate the specific relevance of each.

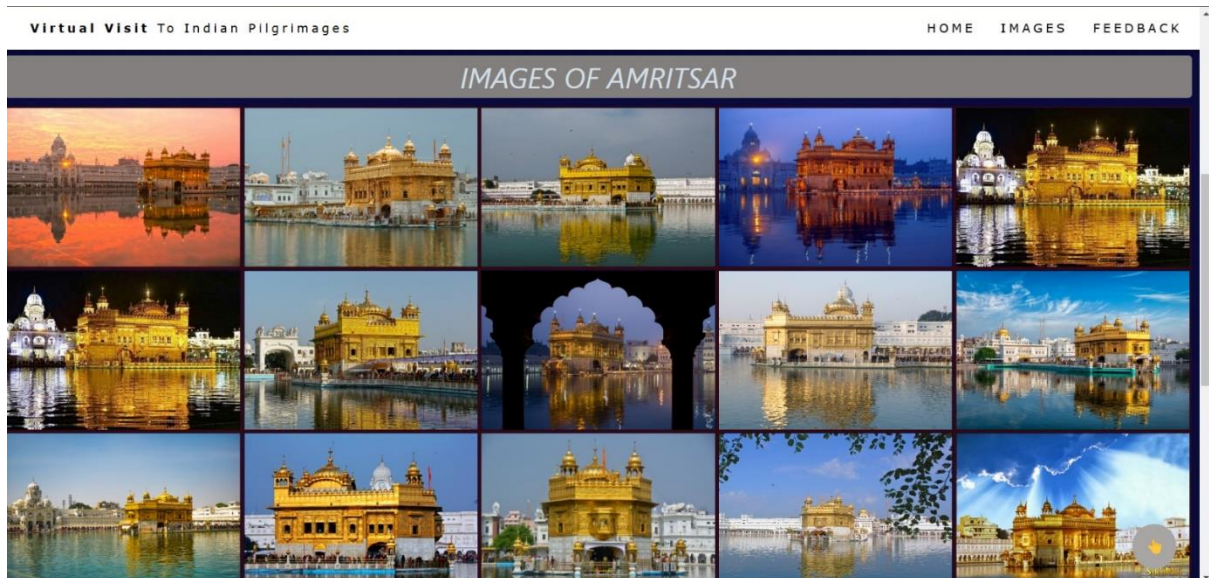


Most Visited Places



PLACES





10. Abstract :

An immersive and interactive way to explore India's rich cultural and religious past is offered by the cutting-edge web-based platform Drashan. It combines 360-degree imagery, interactive features, and gamified learning to make heritage sites accessible, engaging, and educational for users worldwide.

11. Summary of the invention :

Users can digitally visit and explore Indian pilgrimage sites and heritage landmarks with the help of the software-based web platform Drashan. It has elements like historical archives, guided tours, 360-degree views, and gamified educational opportunities. The platform's goals are to preserve cultural history, raise cultural awareness, and offer tourists, scholars, and students an interesting educational resource.

12. Detail description of invention with methodology :

The platform is developed using the following technologies and methodologies:

- **Frontend:** HTML5, CSS3, and JavaScript for creating an interactive and responsive user interface.
- **Backend:** Node.js and Express.js for handling user requests and data processing.
- **Database:** MongoDB for storing user data, site information, and historical archives.
- **Features:**
 - Interactive Hotspots: Clickable hotspots provide detailed information about specific areas or artifacts.
 - Guided Tours: Audio and video-guided tours by historians and cultural experts.
 - Gamified Learning: Quizzes, puzzles, and challenges to enhance engagement and learning.
 - Multilingual Support: Available in multiple languages to cater to a global audience.
 - User Profiles: Personalised dashboards for tracking progress and achievements.

13. Applicant and inventor details:

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