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# A Case Study Heritage in Design: Hostel Interior Inspire by Madhya Pradesh Culture with Sustainable Hemp Material

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***Abstract- Madhya Pradesh is rich in cultural heritage, reflected through its ancient temples, forts, tribal arts, and traditional crafts. This paper investigates how integrating these local cultural elements with sustainable hemp materials can redefine hostel interiors to create immersive, eco-friendly spaces for travelers. By combining traditional motifs such as Gond art and Chanderi textiles with hemp's natural durability and environmental benefits, the design fosters a deep connection between guests and Madhya Pradesh's authentic culture. The study highlights how modern hostels can transcend mere accommodation by becoming cultural hubs that promote sustainability, support local artisans, and enhance the overall travel experience. This approach not only preserves regional identity but also encourages responsible tourism using renewable materials and thoughtful design.***
***Keywords: Madhya Pradesh, Traveler Hostel, Heritage, Culture, Sustaniable HEMP Material.***

## I. INTRODUCTION

Travel hostels today have become more than just a place to sleep—they're social spaces where people from different backgrounds connect, share stories, and explore new cultures. A well-designed hostel can turn a simple stay into a memorable experience, especially when it reflects the spirit of the place it's in. In a rich cultural state like Madhya Pradesh, known for its vibrant tribal art, intricate textiles, and historical architecture, there's a beautiful opportunity to bring that heritage into the heart of hostel interiors.

At the same time, there's a growing awareness about sustainability and the need for eco-friendly living. This is where hemp comes in. It's a natural material that's strong, breathable, and great at keeping indoor spaces comfortable. From wall panels and insulation to soft furnishings like curtains and cushions, hemp is versatile and has a low environmental impact. It grows quickly, doesn't require harmful chemicals, and even improves the soil it grows in.

This research explores how we can blend traditional elements like Gond art, Chanderi textiles, and local architectural styles with sustainable hemp materials to design a hostel that's not just functional, but also deeply rooted in local culture and environmentally responsible. The goal is to create spaces that feel warm and welcoming places that tell a story, support local artisans, and encourage responsible travel.

## II. LITERARTURE REVIEW

Hostels are evolving into lively community spaces where travelers can connect and share experiences. During Covid, this social side became even more important, showing that people value togetherness as much as the stay itself. Affirmed by (Kevin Chen Wu) (2021)

Hemp can be a great choice for hostel interiors like wall panels or partitions because it naturally insulates against heat and cold, keeps indoor spaces comfortable, uses very little energy in production, and is eco-friendly, making it both functional and sustainable. Affirmed by Shareef, S. S.; Rauf, H. L. (2022)

This study explores India's famous Chanderi weaving tradition, highlighting its cultural and historical value. It covers a wide variety of traditional textiles, materials, and crafting methods across the country. The palaces and havelis of Orchha beautifully showcase Bundelkhand's heritage. They are known for their jharokhas (overhanging balconies) and chhatris (domed pavilions), which add both elegance and grandeur. Walls and facades carry rich stone carvings, frescoes, and lime work, reflecting fine craftsmanship of the era. The architecture is marked by strong ornamentation with geometric and floral motifs, blending strength with delicate artistry. Traditional lime and stone materials were used, giving these structures both durability and timeless charm. Affirmed by Anjali Pandey (2020)

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Research says that Hemp can be considered a sustainable construction material because it meets most eco-friendly requirements. It is renewable, abundant, durable, biodegradable, and needs little energy to produce. Hemp is carbon-negative, healthy for people and nature, and its cultivation improves soil without pesticides. Legal restrictions remain a challenge, but hemp has strong potential as a green, versatile building material Affirmed by Plamen Ivanov Peev (2012)

## III. RESEARCH GAP

Currently, many hostels lack distinct cultural identity and sustainable design practices, often offering generic interiors that neither reflect Madhya Pradesh's rich heritage nor embrace eco-conscious materials. Travelers seeking authentic cultural connections find it difficult to locate spaces that harmonize these values. This study addresses the need to design hostel interiors that genuinely represent Madhya Pradesh's legacy using sustainable hemp materials while meeting modern comfort and functionality demands.

## IV. AIM AND OBJECTIVE

### A. *Aim*

To design hostel interiors that embody Madhya Pradesh's cultural essence through regional architecture, crafts, and motifs, balanced with sustainable hemp-based solutions for modern living.

### B. *Objectives*

1) To celebrate diverse local communities and cultures through thoughtful design.
2) To feature traditional crafts like Gond artwork, Chanderi and Maheshwari textiles, and sustainable hemp materials.
3) To create spaces suited for community gatherings and private comfort.
4) To use colors, lighting, and furniture inspired by regional motifs.
5) To support environmental consciousness throughout the interior design process.

## V. SCOPE AND LIMITATION

### A. *Scope*

1) It covers the design of dormitories, lounges, dining spaces, libraries, rooftop cinema, and courtyards.
2) Focus on material selection, furniture, with heritage and sustainability at the core.

### B. *Limitation*

1) Difficulty sourcing authentic materials at affordable prices.
2) Balancing traditional aesthetics with modern needs (comfort, maintenance).

## VI. METHODOLOGY

1) Literature Review and Contextual Study: Conducted an extensive review of existing research on Madhya Pradesh's cultural heritage, traditional crafts (such as Gond art and Chanderi textiles), and sustainable building materials, with a focus on hemp. This helped establish a theoretical foundation for integrating culture with eco-friendly materials in hostel interiors.
2) Site and User Analysis: Performed surveys and interviews with travelers, hostel staff, and local artisans to understand user needs, preferences, and expectations related to cultural experience, comfort, and sustainability in hostel environments.
3) Material Research and Selection: Investigated the properties and applications of hemp materials for interior use, including hemp fabrics, hempcrete panels, and insulation. Assessed availability, cost, durability, and environmental impact to determine suitable hemp products that harmonize with traditional aesthetics and modern functions

## VII. EXPECTED OUTCOMES

1) Culturally immersive hostel spaces: Guests experience the spirit of Madhya Pradesh daily.
2) Enhanced sustainability: Hemp materials reduce environmental impact and showcase eco-design practices.
3) Increased community engagement: Local artisans and crafts are promoted, strengthening ties with heritage.
4) Model for future hostel design: Project sets a precedent for sustainable, regionally inspired hospitality.

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## VIII. CONCLUSION

This research highlights how hostel interiors can be thoughtfully designed to celebrate the rich cultural identity of Madhya Pradesh while also caring for the environment. By blending traditional elements like Gond art, Chanderi textiles, and local architectural features with sustainable hemp materials, hostels can offer much more than just a place to sleep—they can create experiences that feel authentic, meaningful, and rooted in place.

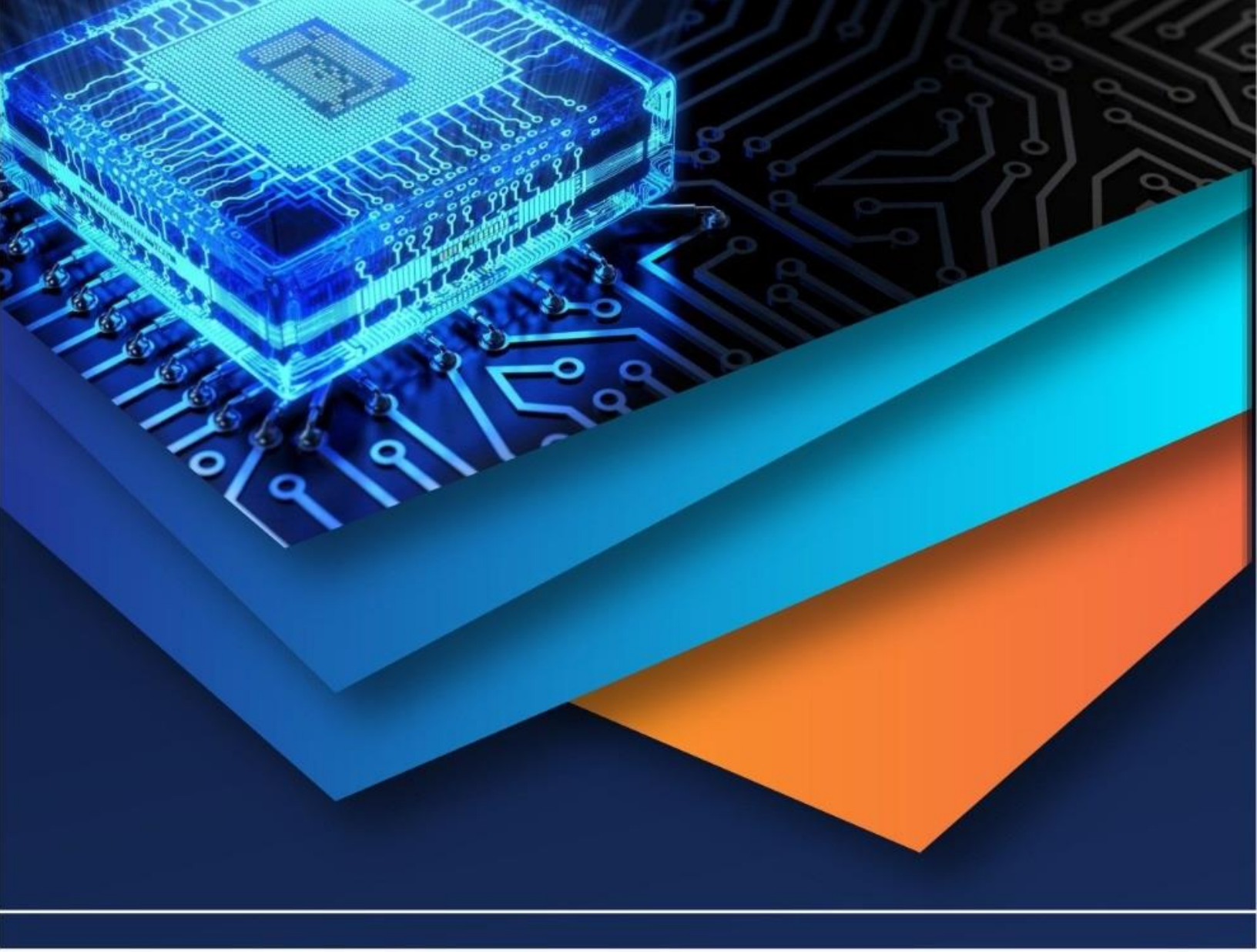
Using hemp is not just a smart design choice, it's a responsible one. It's a strong, breathable, eco-friendly material that brings natural warmth and comfort to interiors. At the same time, incorporating local crafts supports traditional artisans and keeps cultural practices alive.

In the end, this project shows that it's possible to design hostel spaces that are not only inviting and functional, but also culturally connected and environmentally conscious. It's a small step toward travel that respects both people and the planet, something the hospitality industry can continue to build on for a better future.

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