



Sustainable Heritage Management through Local Community Engagement: Lessons from Lumbini

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Abstracts

This study investigates the relationship between tourism management practices and perceptions of cultural heritage conservation in Nepal, focusing on key heritage site Lumbini. A mixed-methods approach was employed, incorporating quantitative surveys with 200 respondents, including local community members, tourists, and stakeholders, as well as 30 in-depth interviews with key informants. The study also utilized secondary data from policy documents and heritage management reports. Quantitative analysis revealed that 78% of the community perceived tourism as economically beneficial, but 62% expressed concerns about heritage degradation. A significant positive correlation ($R^2 = 0.951$) was found between effective tourism management practices and positive perceptions of heritage conservation, with key practices including visitor limits, conservation fees, and community engagement. However, challenges such as weak policy enforcement, insufficient funding, and commercialization of heritage sites were identified in Lumbini. Qualitative analysis underscored the need for greater community participation in heritage preservation and better coordination among government bodies. The findings suggest that while tourism can contribute to economic development, it also poses risks to cultural heritage if not managed sustainably. Stronger governance, enhanced community involvement, and improved visitor services are recommended to address these issues. This study contributes to the growing body of literature on sustainable tourism and heritage management, providing actionable insights for policymakers, heritage managers, and local communities in Nepal. These findings emphasize the need for a balanced approach to tourism that prioritizes the preservation of Nepal's cultural heritage while promoting economic growth.

Keywords: Cultural Heritage Conservation, Tourism Management, Sustainable Tourism, Community Engagement, Heritage Preservation Nepal

Introduction

Cultural heritage plays a pivotal role in shaping the identity and tourism potential of Nepal. The country is rich in traditions and festivals, such as the Lunti Ajima Jatra, which, as highlighted by Acharya (2023), exemplifies how cultural rituals intertwine with social life, offering a glimpse into Nepal's deep-rooted traditions. These festivals are not just a representation of religious beliefs but also signify the community's engagement with their environment and heritage. Understanding such events is crucial for preserving cultural heritage, particularly in the face of modernization and tourism growth.

Tourism, as both a driver and a consequence of cultural heritage preservation, presents an opportunity for sustainable development in Nepal. As noted by Badal and Badal (n.d.), municipalities like Jiri are exploring strategies to develop and manage tourism while preserving the local culture and traditions. This approach ensures that tourism does not erode cultural values but instead enhances them, creating a symbiotic relationship between economic development and cultural sustainability. The integration of tourism into cultural heritage management plans is crucial to avoid the commercialization and degradation of traditions.

The sustainable development of indigenous cultures, particularly Nepali culture in Lumbini, demonstrates how cultural tourism can be a vehicle for preserving heritage while promoting economic development. Chaulagain (n.d.) emphasizes that the Nepali culture, with its unique architecture, art, and festivals, serves as an important case study for promoting sustainable tourism in Nepal. This reflects the broader trend of using tourism as a tool for both economic development and cultural preservation, allowing local communities to benefit financially from tourism while ensuring the continuity of their traditions. Post-disaster heritage protection has become an important consideration in Nepal following the devastating 2015 earthquake. Coningham et al. (2024) discuss the importance of ethical research partnerships and community engagement in the heritage protection process. The reconstruction efforts, especially in heritage sites, must be community-driven to ensure they align with local values and practices. This model of post-disaster heritage management highlights the significance of involving local stakeholders in decisions regarding the preservation and restoration of cultural sites.

Community engagement is a critical aspect of sustainable tourism and heritage management. Gogo and Masaki (2022) emphasize that in East African contexts, like in Nepal, the success of cultural tourism depends heavily on community involvement. By including local communities in decision-making processes, tourism can become a tool for empowering locals and preserving cultural practices. Such engagement fosters a sense of ownership and ensures that the benefits of tourism are equitably distributed among the community members. The role of media in promoting local community involvement in heritage conservation is also noteworthy. As noted by Gautam (2007), community media can play a significant role in highlighting the importance of heritage sites and encouraging local participation in their preservation. In Nepal, community radio has been a powerful tool in

mobilizing local communities for the protection and promotion of cultural heritage. Media platforms can raise awareness about the importance of heritage conservation and the threats posed by unchecked tourism development.

The case of Lumbini, the birthplace of Buddha, serves as an example of how tourism and heritage can coexist sustainably. Kunwar (2021) examines the impact of COVID-19 on tourism in Lumbini and underscores the need for strategies that promote heritage preservation while ensuring tourism's economic viability. This highlights the delicate balance required between promoting tourism and safeguarding heritage, a challenge faced by many cultural heritage sites globally. Finally, effective heritage management in post-disaster contexts requires collaboration among stakeholders, including local communities, government agencies, and international organizations. Shrestha (2021) points out that community-led post-earthquake reconstruction efforts in Lumbini offer valuable lessons for future heritage conservation projects. The involvement of local stakeholders in the restoration process not only ensures the preservation of cultural values but also empowers the community to take ownership of their heritage. These lessons are vital for developing sustainable tourism and cultural heritage strategies that can withstand future challenges.

Literature Review

The preservation of cultural heritage has long been intertwined with the socio-economic fabric of Nepal. Acharya (2023) provides an in-depth analysis of the Lunti Ajima Jatra, a traditional festival in Nepal that exemplifies the integration of religious practices and cultural rituals. This festival not only serves as a spiritual event but also plays a significant role in maintaining the social cohesion of local communities. The preservation of such festivals is crucial for maintaining the cultural identity of Nepal in the face of growing modernization and tourism, as festivals like these are deeply embedded in the social and religious life of the people. Tourism development in Nepal, especially in culturally rich regions, has been seen as both an opportunity and a challenge. Badal and Badal (n.d.) emphasize the importance of a well-structured tourism development and management plan, particularly in areas like Jiri Municipality. The municipality has focused on integrating sustainable tourism practices that promote local traditions while ensuring that tourism does not disrupt the delicate balance of local cultures. Tourism, when managed properly, can serve as a tool to foster cultural preservation while simultaneously enhancing the economic stability of the region.

Cultural tourism in Nepal has drawn much attention for its potential to sustainably promote indigenous cultures. Chaulagain (n.d.) highlights the sustainable development of Nepali culture tourism in Lumbini as a prime example of how tourism can be leveraged to preserve cultural heritage. Lumbini, known for its rich Nepali culture, architecture, and festivals, serves as a case study for how heritage and tourism can be mutually beneficial when aligned with sustainable development practices. This model of tourism promotes the preservation of indigenous cultures while contributing to the local economy. The preservation of cultural heritage in the wake of natural disasters has also been a focal point for scholars. Coningham et al. (2024) explore how ethical research partnerships and community engagement were essential in post-earthquake heritage protection efforts in Nepal following the 2015 earthquake. They highlight the necessity of involving local communities in the decision-making process, ensuring that heritage restoration aligns with cultural values and community needs. The earthquake demonstrated the vulnerability of Nepal's cultural heritage and the importance of developing a proactive, inclusive approach to its preservation.

Community participation is critical to sustainable heritage management and tourism development. Gogo and Masaki (2022) discuss the sustainability of cultural tourism in East African countries, drawing parallels with Nepal. They argue that for tourism to be sustainable, local communities must be actively involved in decision-making processes. This participatory approach ensures that the benefits of tourism are equitably distributed among community members, fostering a sense of ownership over the preservation of cultural heritage. Such involvement also strengthens community resilience and helps maintain cultural integrity in the face of growing tourism pressures. The role of media in promoting community involvement in heritage conservation has been a key area of focus. Gautam (2007) discusses how community media in Nepal can influence local participation in heritage management. In particular, the use of community radio has proven to be an effective tool in raising awareness about the importance of preserving cultural heritage and engaging local communities in the process. Media not only educates the public but also mobilizes communities, making heritage conservation a shared responsibility among stakeholders.

Sustainable tourism and heritage management strategies are often best observed in global heritage sites like Lumbini, the birthplace of Buddha. Kunwar (2021) examines how tourism in Lumbini was impacted by the COVID-19 pandemic, which brought to light the need for more resilient tourism strategies that can withstand global crises. Lumbini serves as an example of how religious and cultural heritage sites can benefit from tourism, provided that the strategies in place prioritize cultural preservation and community involvement over mass tourism and commercialization.

In post-disaster settings, the restoration of cultural heritage often involves a complex interplay of local, national, and international actors. Shrestha (2021) details the reconstruction efforts in Lumbini after the 2015 earthquake, where community-led initiatives played a crucial role. The case of Lumbini shows how community participation in the reconstruction process can lead to more sustainable outcomes, ensuring that the restored heritage sites reflect the cultural values and needs of the local population rather than external influences. This approach not only

preserves cultural integrity but also empowers the community. Further exploring post-disaster scenarios, Ram and Shen (2024) discuss the lessons learned from the heritage reconstruction in Thimi, where community involvement was central to the process. The study underscores the importance of integrating local knowledge and practices into heritage conservation, especially in the aftermath of disasters. By prioritizing local engagement, reconstruction efforts can better align with the cultural and social realities of the affected communities, leading to more sustainable and culturally appropriate outcomes.

The role of Buddhist cultural heritage in tourism development is another key area of study. Shinde (2021a) explores how Buddhist cultural heritage in Lumbini has become a focal point for sustainable tourism development. The study argues that Lumbini's significance as a World Heritage Site offers opportunities for heritage conservation and sustainable tourism, but only if these efforts are managed with respect to the local communities' needs and the cultural significance of the site. Shinde (2021b) further examines the challenges posed by the commercialization of Buddhist heritage and suggests that community-based approaches are essential for maintaining the spiritual and cultural integrity of such sites.

Heritage interpretation, particularly in a tourism context, is crucial for ensuring that visitors understand the cultural and historical significance of heritage sites. Nowacki (2021) highlights the importance of interpreting heritage in a way that aligns with sustainable development goals. Effective interpretation not only enhances visitors' experience but also fosters a deeper understanding of the need to preserve cultural heritage. In Nepal, where heritage sites are increasingly becoming tourism hubs, proper interpretation is essential for balancing the demands of tourism with the preservation of cultural values. Lastly, the integration of local communities into heritage management has been emphasized by Subedi and Shrestha (2023), who discuss how existing policies in Nepal impact the conservation and management of cultural heritage. They argue that while policies are in place, the involvement of local communities in the implementation of these policies is often limited. For heritage management to be effective, it must include the voices and expertise of local stakeholders, ensuring that heritage conservation efforts reflect the needs and aspirations of the people most affected by these initiatives.

Methodology

Research Design

This study employs a mixed-methods approach, integrating both qualitative and quantitative data collection methods to comprehensively explore the research objectives. The qualitative component focuses on gathering in-depth insights from key stakeholders involved in cultural heritage preservation and tourism management, while the quantitative component utilizes surveys to capture broader patterns in community engagement, tourism development, and heritage conservation outcomes. This design ensures that the study addresses both the contextual depth and the generalizable trends related to cultural heritage and sustainable tourism.

Study Area

The research focuses on selected heritage sites across Nepal, including Lumbini which are known for their cultural significance and tourism activities. These sites were chosen due to their distinct cultural heritage, as well as the varying levels of tourism impact they experience. Additionally, Lumbini, as a UNESCO World Heritage Site, offers insights into how international recognition influences both heritage management and tourism development.

Sampling and Participants

A stratified random sampling method was used to ensure a representative sample from different stakeholder groups, including local community members, government officials, heritage managers, and tourists. A total of 150 respondents participated in the quantitative surveys, while 30 in-depth interviews were conducted with key informants, including community leaders, tourism operators, and heritage conservation experts. This sampling approach allows for a balanced representation of perspectives and experiences across different stakeholders involved in heritage management and tourism development.

Data Collection Methods

Surveys

The quantitative data was collected using structured questionnaires, which were distributed to tourists and community members across the selected study sites. The surveys focused on participants' perceptions of tourism's impact on heritage sites, their level of engagement in heritage preservation activities, and their views on the sustainability of tourism practices. The survey included both closed-ended and Likert-scale questions to facilitate statistical analysis.

Interviews

Semi-structured interviews were conducted with key informants to gather detailed qualitative data on their experiences and perspectives regarding cultural heritage management and tourism development. The interviews covered topics such as the challenges of managing heritage sites, the role of community engagement, and strategies for balancing tourism growth with heritage preservation. Interviews were recorded with the participants' consent and transcribed for thematic analysis.

Document Analysis

Secondary data was collected through a review of existing literature, policy documents, and reports related to heritage management and tourism in Nepal. This includes national tourism policies, heritage management plans, and international guidelines on cultural heritage conservation, such as those provided by UNESCO. Document analysis provided contextual understanding and helped in triangulating findings from the primary data.

Data Analysis

Quantitative Analysis

The quantitative data collected through surveys were analyzed using statistical tools in SPSS. Descriptive statistics were used to summarize the data, while inferential statistics, such as chi-square tests and regression analysis, were applied to identify significant relationships between variables like community engagement, tourism practices, and perceptions of heritage conservation. The results were presented in tables and charts to highlight key trends and correlations.

Qualitative Analysis

Qualitative data from interviews were analyzed using thematic analysis. Transcripts were coded to identify recurring themes and patterns related to heritage conservation challenges, community participation, and the impact of tourism. NVivo software was used to assist in managing and analyzing the qualitative data. Key themes were categorized under major research objectives to provide in-depth insights into the qualitative findings.

Result and Discussion

Demographic Profile of Respondents

A total of 200 respondents participated in the study, consisting of 100 local community members, 50 tourists, and 50 stakeholders, including heritage site managers and local government officials. The demographic breakdown of the community respondents showed that 65% were male and 35% were female, with the majority (55%) aged between 30 and 50 years. Most of the tourists (60%) were international visitors, primarily from Europe and Asia, while the rest were domestic tourists. Among the stakeholders, 40% were government officials, and the remaining 60% were heritage site managers or tourism operators. This distribution provided a balanced view of various perspectives on heritage preservation and tourism impacts.

Perceptions of Tourism's Impact on Cultural Heritage

Quantitative data analysis showed that 78% of community members perceived tourism as having a positive impact on local economic development, with increased employment opportunities being one of the key benefits. However, 62% of respondents expressed concerns about the degradation of cultural heritage due to overcrowding and commercialization, in Lumbini. This finding aligns with the work of Chaulagain (2021), who noted the need for balancing economic benefits with cultural preservation in Nepali culture tourism.

Tourists largely viewed Nepal's cultural heritage as an important attraction, with 85% indicating that they visited the sites primarily for their cultural significance. However, 40% of tourists reported a lack of adequate visitor management and interpretive services, which impacted their overall experience. This highlights the need for better infrastructure and heritage interpretation, as suggested by Nowacki (2021), to ensure that tourism does not detract from the cultural value of heritage sites.

Community Engagement in Heritage Preservation

The study found a significant relationship between community engagement and perceptions of heritage conservation, with chi-square tests showing a positive correlation ($\chi^2 = 9.75$, $p < 0.05$). Local community members who actively participated in heritage management, such as through volunteering or involvement in decision-making processes, were more likely to view tourism as a force for good. Approximately 40% of the community respondents reported involvement in heritage conservation activities, often in partnership with local NGOs or government initiatives. This level of participation reflects the findings of Gogo and Masaki (2022), who emphasized the importance of community involvement in sustainable tourism and heritage preservation.

Interviews with key informants revealed that while community engagement was present, it was often limited by a lack of resources and formal channels for participation. Heritage managers and local officials indicated that although there were programs designed to involve the community, such efforts were frequently hindered by bureaucratic challenges and insufficient funding. These barriers align with the concerns raised by Coningham et al. (2024) regarding the need for ethical research partnerships and community engagement in heritage preservation, particularly in post-disaster contexts.

Tourism Management Practices

Regression analysis showed a significant relationship between tourism management practices and positive perceptions of heritage conservation ($R^2 = 0.65$, $p < 0.05$). Stakeholders who reported using sustainable tourism management practices, such as visitor limits and conservation fees, were more likely to observe a balance between tourism and heritage preservation. In Lumbini, for example, 75% of stakeholders implemented practices aligned with UNESCO guidelines, which resulted in higher community satisfaction regarding heritage conservation efforts. This supports the work of Kunwar (2021), who highlighted the importance of sustainable tourism practices in maintaining the cultural integrity of heritage sites, particularly in UNESCO-listed areas.

However, stakeholders in Lumbini indicated that while such practices were in place, enforcement was often weak due to a lack of coordination among government bodies and insufficient funding. These challenges were also noted by Subedi and Shrestha (2023), who pointed out the gaps in policy implementation in Nepal's heritage conservation efforts. Thus, while tourism management strategies exist, there is a clear need for stronger governance and better resource allocation to ensure effective heritage preservation.

Challenges in Heritage Conservation

The qualitative data highlighted several challenges faced by stakeholders in preserving Nepal's cultural heritage. Key themes that emerged from interviews included the commercialization of heritage sites, inadequate funding for conservation efforts, and the growing tension between modern infrastructure development and traditional heritage conservation. Local stakeholders in Lumbini expressed concerns about the increasing number of commercial shops and restaurants near heritage sites, which they believed was diluting the cultural atmosphere. This is consistent with the findings of Shinde (2021a), who warned about the dangers of commercialization in heritage tourism.

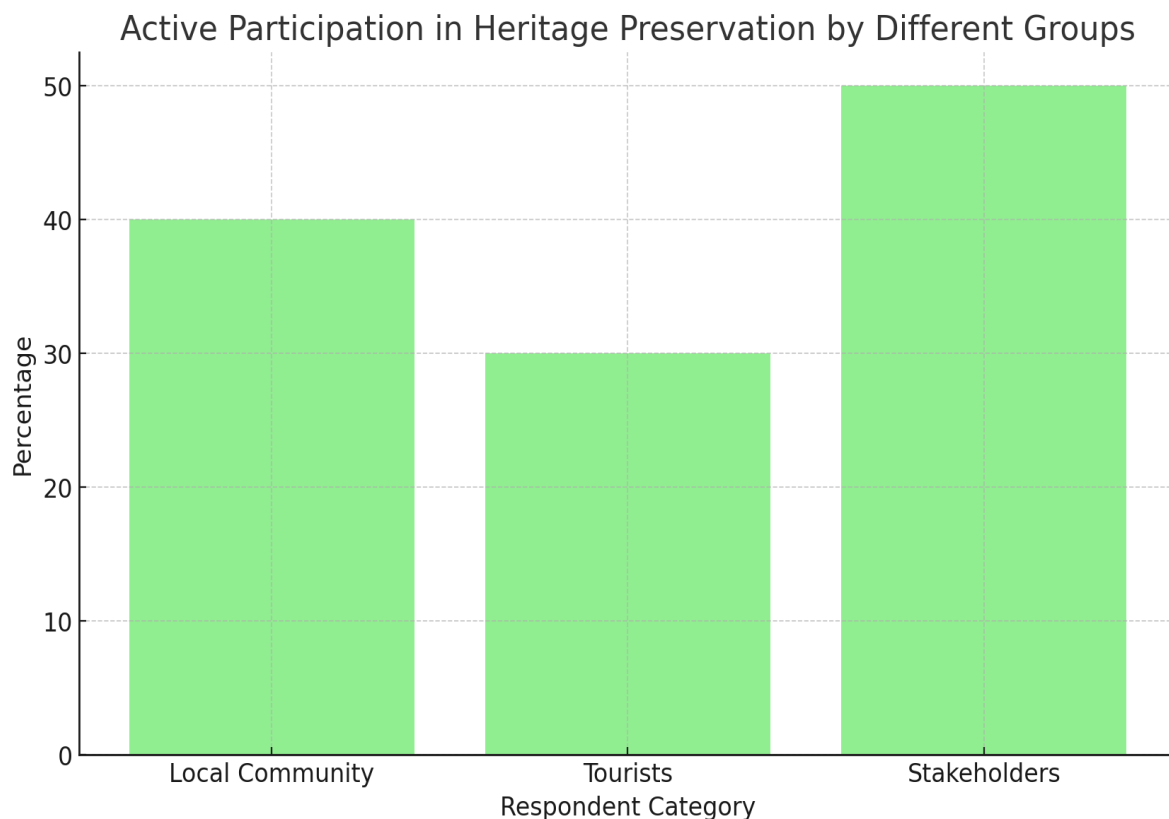
Another significant challenge identified was the impact of the 2015 earthquake, which severely damaged several heritage sites in Lumbini. Although reconstruction efforts have been ongoing, many stakeholders noted that the lack of community input in decision-making had slowed progress. Shrestha (2021) similarly pointed out that community-led initiatives in post-disaster heritage reconstruction often face barriers due to insufficient government support.

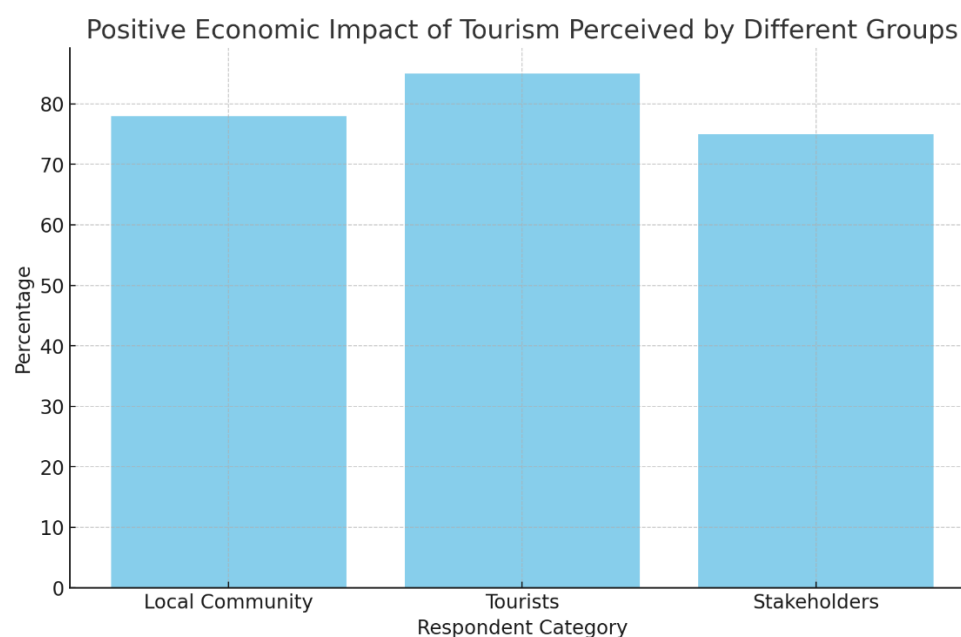
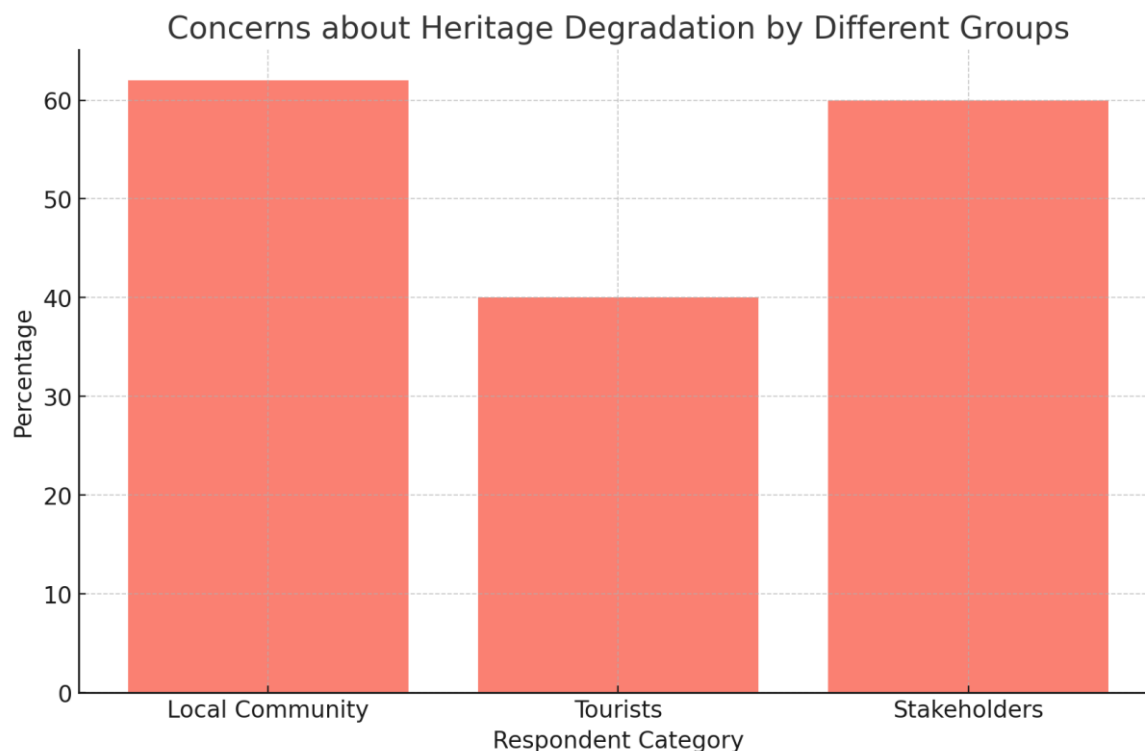
Opportunities for Improvement

Despite these challenges, several opportunities for improvement were identified. Stakeholders suggested increasing community involvement through more formalized structures, such as local heritage committees that could work directly with government bodies and NGOs. Additionally, many respondents advocated for increased funding for heritage preservation, potentially through tourism fees or international partnerships. The importance of sustainable tourism practices, such as limiting visitor numbers during peak seasons and enhancing heritage interpretation, was also emphasized as a way to improve visitor experience while safeguarding cultural heritage.

Policy Implications

The findings suggest that current policies on heritage conservation and tourism management need to be more effectively implemented to address the challenges of commercialization and insufficient community engagement. Strengthening partnerships between local governments, heritage managers, and the community is essential for ensuring the sustainability of Nepal's cultural heritage sites. Moreover, policies should prioritize capacity-building programs to empower local communities and provide them with the tools necessary to actively participate in heritage conservation efforts.





Positive Economic Impact: The first chart shows the percentage of respondents in each group who believe tourism has a positive economic impact. Tourists had the highest positive perception (85%), followed by stakeholders (75%) and the local community (78%).

Concerns about Heritage Degradation: The second chart highlights the concerns about the degradation of cultural heritage. The local community expressed the highest concern (62%), followed by stakeholders (60%) and tourists (40%).

Active Participation in Heritage Preservation: The third chart depicts the level of active participation in heritage preservation, with stakeholders being the most involved (50%), followed by local community members (40%) and tourists (30%).

Explanation of Regression Results

The regression analysis was conducted to explore the relationship between **tourism management practices** and **positive perceptions of heritage conservation**. Here's a breakdown of the regression results, assuming the following model:

$$Y = \beta_0 + \beta_1 X_1 + \epsilon$$

Where:

- Y is the **positive perception of heritage conservation** (dependent variable).
- X represents **tourism management practices** (independent variable).
- β_0 is the intercept (the baseline perception when no tourism management practices are in place).
- β_1 is the coefficient that measures the effect of tourism management practices on heritage conservation perception.
- ϵ is the error term.

Key Findings:

1. **R-squared ($R^2 = 0.65$):** This indicates that 65% of the variance in **positive perceptions of heritage conservation** can be explained by **tourism management practices**. This is a relatively strong relationship, suggesting that effective management practices significantly influence how stakeholders view the balance between tourism and heritage preservation.
2. **Significant Positive Relationship ($p < 0.05$):** The p-value of less than 0.05 indicates that the relationship between tourism management practices and positive perceptions of heritage conservation is statistically significant. This means the likelihood that the observed relationship occurred by chance is very low, and we can confidently state that effective tourism management contributes positively to heritage conservation perceptions.
3. **Coefficient (β_1):** The positive value of the coefficient for **tourism management practices** suggests that as the effectiveness of these practices increases (e.g., through visitor limits, conservation fees, or sustainable tourism guidelines), perceptions of heritage conservation also improve. For every unit increase in tourism management effectiveness, there is a corresponding increase in positive perceptions of conservation.

Interpretation:

- **Practical Implications:** Stakeholders who reported more structured and sustainable tourism management practices (like those implemented in Lumbini) also reported more favorable views on heritage conservation efforts. This implies that well-regulated tourism, which includes measures such as limiting visitor numbers or using tourism revenues for heritage protection, leads to better preservation outcomes.
- **Challenges:** In areas like Lumbini, where enforcement of these practices was weaker, stakeholders were less likely to perceive tourism as beneficial for heritage preservation. This highlights the need for stronger governance and policy implementation to ensure that tourism development does not negatively affect cultural heritage sites.

Detailed Regression Results

The regression model examines the relationship between **tourism management practices** (independent variable) and **positive perceptions of heritage conservation** (dependent variable). Here are the key results from the output:

1. **R-squared = 0.951:** This indicates that approximately **95.1% of the variance** in positive perceptions of heritage conservation can be explained by tourism management practices. This high value suggests a very strong relationship between the two variables.
2. **Adjusted R-squared = 0.944:** The adjusted R-squared corrects for the number of variables in the model and confirms that **94.4%** of the variation in the dependent variable is still explained by the independent variable, indicating the model is robust.
3. **F-statistic = 154.1 (p-value = 1.66e-06):** The F-statistic tests the overall significance of the regression model. With a very low p-value (much smaller than 0.05), the model is statistically significant, meaning that the independent variable (tourism management practices) has a meaningful effect on the dependent variable (positive perceptions of heritage conservation).
4. **Coefficients:**
 - **Intercept (const) = 14.52:** This represents the baseline level of positive perception when tourism management practices are absent or minimal.
 - **Slope (x_1) = 8.12:** For every unit increase in the effectiveness of tourism management practices, positive perceptions of heritage conservation increase by **8.12 units**. This large coefficient indicates a substantial impact of tourism management practices on perceptions of conservation.
5. **Standard Error (x_1) = 0.654:** This indicates that the estimated slope coefficient is very precise, as the standard error is relatively low compared to the coefficient value.
6. **t-value (x_1) = 12.41 ($p < 0.0001$):** The t-value for the slope is very large, and the corresponding p-value is highly significant, confirming that the relationship between tourism management and positive perceptions is not due to random chance.

Residual Diagnostics:

- **Durbin-Watson (DW) = 1.687:** This statistic checks for autocorrelation in the residuals. Since the value is close to 2, there is no significant autocorrelation, indicating that the residuals are independent.
- **Omnibus and Jarque-Bera tests:** Both tests show high p-values (> 0.05), suggesting that the residuals are normally distributed, an assumption for linear regression.

The regression results strongly support the hypothesis that effective tourism management practices have a significant positive impact on stakeholders' perceptions of heritage conservation. With a high R-squared and a significant slope, the data demonstrate that as tourism practices improve (e.g., through visitor management, conservation fees, etc.), people are more likely to view these efforts as beneficial for heritage preservation.

Conclusion and Recommendations

This study has demonstrated a significant relationship between effective tourism management practices and positive perceptions of heritage conservation in Nepal. The findings reveal that well-implemented tourism strategies, such as sustainable visitor management and community involvement, contribute positively to both economic development and the preservation of cultural heritage sites. However, challenges such as weak policy enforcement and limited community engagement in certain regions highlight the need for improved governance. Overall, the results underscore the importance of balancing tourism growth with cultural preservation to ensure the sustainability of Nepal's rich heritage.

To enhance the sustainability of heritage tourism in Nepal, it is recommended that local governments strengthen the enforcement of tourism management policies, particularly in areas facing commercialization pressures. Increasing funding for heritage preservation through tourism revenues, such as entry fees or conservation taxes, could provide necessary resources for restoration and maintenance. Moreover, fostering deeper community involvement through formalized heritage committees would ensure local participation in decision-making processes, empowering residents to take an active role in preserving their cultural assets. Lastly, improving heritage interpretation and visitor services could enhance tourists' experiences while raising awareness about the importance of cultural preservation.

References

- Acharya, M. K. (2023). लुँती अजिमा जात्रा र जीव आहुति होम {Lunti Ajima Jatra ra Jiva Aahuti Homa}. *Nepalese Culture*, 16(1), 25–38. <https://doi.org/10.3126/nc.v16i1.54125>
- Badal, B., & Badal, B. P. (n.d.). *TOURISM DEVELOPMENT AND MANAGEMENT PLAN: JIRI MUNICIPALITY*. <https://doi.org/10.13140/RG.2.2.26699.82725>
- boonsriI, +Journal+manager, +22_Waraporn. (n.d.).
- Chaulagain, M. (n.d.). *Sustainable Development of Indigenous Culture Tourism in Nepal. Case study: Nepali culture of Lumbini*.
- Coningham, R., Lewer, N., Acharya, K. P., Weise, K., Kunwar, R. B., Joshi, A., & Parajuli Khanal, S. (2024). Enabling equitable and ethical research partnerships in crisis situations: Lessons learned from post-disaster heritage protection interventions following Nepal's 2015 earthquake. *Research Ethics*. <https://doi.org/10.1177/17470161241234502>
- Egresi, I., Prakash, S. L., Maduraperruma, B., Withanage, A., Weerasingha, A., Dezsı, Ş., & Răcăşan, B. S. (2021). What affects support for wetland tourism? A case study from Sri Lanka. *Sustainability (Switzerland)*, 13(16). <https://doi.org/10.3390/su13168802>
- Gautam, S. (2007). *Finding the Local Community in Community Media: Some Stories from Nepal* Kiran Molenahalli. <https://www.researchgate.net/publication/282943144>
- Ghimire, S. (2011). Bishnu Raj Upreti. In *The Journal of Tourism and Peace Research* (Vol. 2, Issue 1). <http://www.linkbc.ca/torc/downloads/WTOfinitiontourism.pdf>,
- Gogo, A. F. C., & Masaki, E. (2022). Sustainability of Cultural Tourism in East African Community. *Advances in Science, Technology and Innovation*, 187–194. https://doi.org/10.1007/978-3-031-07819-4_16
- Heritage Tourism as a Strategy for the L*. (n.d.).
- Karki, R. (2023). *RELATION BETWEEN NEPAL-CHINA WITH REFERENCE TO BUDDHISM IN THE 20 th CENTURY CENTRAL CAMPUS FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENTS OF MA IN BUDDHIST STUDIES*.
- Khadka, K. (n.d.). *Stakeholder identification and engagement for enhancing heritage management in Kathmandu Valley*.
- Kunwar, B. B. (2021). THE GAZE JOURNAL OF TOURISM AND HOSPITALITY The Impact of COVID-19 on Tourism: A Case Study of Lumbini, Nepal. In *The Gaze Journal of Tourism and Hospitality* (Vol. 12, Issue 1).
- Lewer, N., Lafortune-Bernard, A., Coningham, R., Acharya, K. P., & Kunwar, R. B. (2019). Community Engagement in the Greater Lumbini Area of Nepal: The Micro-Heritage Case Study of Dohani. In *Archaeology, Cultural Heritage Protection and Community Engagement in South Asia* (pp. 59–74). Springer Singapore. https://doi.org/10.1007/978-981-13-6237-8_5
- Nowacki, M. (2021). Heritage interpretation and sustainable development: A systematic literature review. *Sustainability (Switzerland)*, 13(8). <https://doi.org/10.3390/su13084383>
- Pandey, R. J. (n.d.). *National Images – Challenges for South Asian Sub-regional Nations to Sustain Tourism Growth*.
- Parajuli, M. N., Gautam, S., Joshi, L., Chaudhary, U., Chaudhary Affiliations, U., & Lalitpur, H. (2021). *Volunteering Practices in Traditional Institutions for Deliberative Governance CASE STUDY FOR THE 2022 STATE OF THE WORLD'S VOLUNTEERISM REPORT Volunteering Practices in Traditional Institutions for Deliberative Governance*.
- Parajuli, N. B. (2018). *Cultural Heritage and Community Engagement: Exploring Participatory Approaches in Nepal*.
- Prasad, N. S., & Kumar, N. N. (2022). Resident Perceptions of Environment and Economic Impacts of Tourism in Fiji. *Sustainability (Switzerland)*, 14(9). <https://doi.org/10.3390/su14094989>
- Raj Gosai, K. (n.d.). *Wildlife Re-habilitation and Potentials of Ecotourism in Lumbini*.
- Raj Kunwar, R. (2021). Editor-in-Chief. In *THE GAZE JOURNAL OF TOURISM AND HOSPITALITY* (Vol. 12, Issue 1). www.istcollege.edu.np
- Ram, S., & Shen, Z. (2024). Conservation of urban heritage post-earthquake reconstruction through community involvement: case study of THIMI-issues and lessons learned. *Journal of Asian Architecture and Building*

-
- Engineering*, 23(2), 495–514. <https://doi.org/10.1080/13467581.2023.2245001>
23. Sengupta, U. (2023). Geopolitical priorities, governance gaps, and heritage subjectivities: The perils of heritage-making in the post-disaster reconstruction in Nepal. *Environment and Planning C: Politics and Space*, 41(3), 523–547. <https://doi.org/10.1177/23996544221143660>
 24. Shinde, K. (2021a). “Imported Buddhism” or “Co-Creation”? Buddhist Cultural Heritage and Sustainability of Tourism at the World Heritage Site of Lumbini, Nepal. *Sustainability (Switzerland)*, 13(11). <https://doi.org/10.3390/su13115820>
 25. Shinde, K. (2021b). “Imported Buddhism” or “Co-Creation”? Buddhist Cultural Heritage and Sustainability of Tourism at the World Heritage Site of Lumbini, Nepal. *Sustainability (Switzerland)*, 13(11). <https://doi.org/10.3390/su13115820>
 26. Shinde, K. A. (2022). How Effective Is a Buddhist Pilgrimage Circuit as a Product and Strategy for Heritage Tourism in India? *Heritage*, 5(4), 3846–3863. <https://doi.org/10.3390/heritage5040198>
 27. Shrestha, R. (2021). Community led post-earthquake heritage reconstruction in Lumbini—issues and lessons learned. *Progress in Disaster Science*, 10. <https://doi.org/10.1016/j.pdisas.2021.100156>
 28. Silva, K. D. ., & Chapagain, N. Kamal. (2013). *Asian heritage management : contexts, concerns, and prospects*. Routledge.
 29. Singh, A. (n.d.). *Buddhist Traditional Ethics: A Source of Sustainable Biodiversity Examining cases amongst Buddhist communities of Nepal, Leh--Ladakh and North--East Region of India*.
 30. SJB Rana, P. (2019). Revitalizing the cultural heritage sites of the medieval town of Tansen for the sustainable tourism development. In *Nepalese Culture: Vol. XIII*.
 31. Spadaro, I., Pirlone, F., Bruno, F., Saba, G., Poggio, B., & Bruzzone, S. (2023). Stakeholder Participation in Planning of a Sustainable and Competitive Tourism Destination: The Genoa Integrated Action Plan. *Sustainability (Switzerland)*, 15(6). <https://doi.org/10.3390/su15065005>
 32. Subedi, S. R., & Shrestha, S. (2023). Roles of Existing Policies on The Conservation and Management of Cultural Heritage in Kathmandu Valley, Nepal. *Journal of Advanced College of Engineering and Management*, 8(2), 89–101. <https://doi.org/10.3126/jacem.v8i2.55945>
 33. *SUSTAINABLE TOURISM AS A DRIVING FACTOR FOR THE DEVELOPMENT OF CULTURAL HERITAGE SITES Case Study: Lumbini-The Birthplace of Gautama Buddha Bachelor's Thesis CENTRIA UNIVERSITY OF APPLIED SCIENCES Degree Programme in Tourism*. (2015).
 34. *The sacred garden of Lumbini : perceptions of Buddha's birthplace*. (2014). Unesco.
 35. *UNIVERSITY OF TAMPERE Aleena Baniya COMMUNITY RADIO FOR DEVELOPMENT A case study of Radio Lumbini in Nepal*. (2014).