Impact of Al Durror App in Preserving Astronomical Timekeeping and Cultural Sustainability

Fawaz Habbal[a], Nasser Al Yammahi[b]

[a]Emirates Scholar Research Center

[b]Fujairah Media Authority

Abstract

In an era where the digital transformation is reshaping every facet of life, the preservation of cultural heritage through smart technologies emerges as a crucial endeavor. This research paper delves into the innovative intersection of traditional knowledge and modern technology, focusing on the Al Durror smart application, a digital tool designed to preserve and promote the Al Durror Calendar. This ancient astronomical timekeeping system, deeply ingrained in the cultural fabric of the Gulf region, is a testament to the rich historical and astronomical wisdom of its people. The Al Durror Calendar, structured around the annual rising of the Suhail star, divides the year into thirty-six decadal sections, each known as "Al- Durr," forming a unique chronological framework integral to the region's cultural identity. The study embarks on a comprehensive evaluation of the Al Durror app, launched a decade ago, and its role in the digital preservation of this ancient calendar. With over 100,000 downloads and a dedicated user base of 20,000, the app not only serves as a digital repository of the Al Durror Calendar but also as a platform for cultural engagement and education. The research aims to assess the app's effectiveness in fostering a deeper understanding and appreciation of this traditional timekeeping system among contemporary audiences. It explores the app's usage patterns, user engagement, and its impact on the revival of the Al Durror Calendar in daily life.

Keywords: cultural heritage, digital preservation, technology in heritage preservation, cultural sustainability, intangible heritage

*Corresponding author.
Email address:* fawaz.etfz@gmail.com (Fawaz Habbal)

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1. Introduction

In the contemporary era, where digital innovation is rapidly transforming societal landscapes, the preservation of cultural heritage through technological means has become increasingly significant. This research paper explores the intersection of traditional knowledge and modern technology, focusing on the Al Durror smart application, a pioneering initiative in the digital preservation of the Al Durror Calendar. This ancient astronomical timekeeping system, deeply embedded in the cultural tapestry of the Gulf region, stands as a testament to the rich historical and astronomical wisdom of its people. The Al Durror Calendar, with its unique structure based on the annual rising of the Suhail star, divides the year into thirty-six decadal sections, each known as "Al-Durr." This system forms an integral part of the region's cultural identity, marking time in a way that is closely aligned with the natural rhythms of the environment [**Liang, C**].

Historical and Cultural Significance of the Al Durror Calendar

The Al Durror Calendar is more than a mere chronological tool; it is a cultural artifact that embodies the historical and astronomical knowledge of the Gulf region. Its inception dates back centuries and is a reflection of the ingenuity of the people in harmonizing their lives with the celestial movements. The calendar's reliance on the Suhail star's appearance for marking the beginning of the year is a clear indication of the advanced astronomical understanding of the ancient inhabitants of the Gulf. This system played a crucial role in agricultural planning, maritime navigation, and the scheduling of religious and social events, thus permeating various aspects of life and shaping the cultural identity of the region.

The Challenge of Cultural Preservation in the Digital Age

In the digital age, traditional knowledge systems like the Al Durror Calendar face the risk of being overshadowed by modern lifestyles and technologies. The challenge lies in preserving these intangible cultural heritages while adapting to the evolving technological landscape. This is where the Al Durror smart application comes into play, representing a significant stride in blending traditional knowledge with modern technology. Launched a decade ago, the app has garnered over 100,000 downloads and has a dedicated user base of 20,000, indicating a growing interest in and appreciation for this ancient timekeeping system.

Research Problem and Objectives

The primary research problem this study addresses is the evaluation of the Al Durror app's effectiveness in preserving and promoting the Al Durror Calendar in the modern era. The objectives of the research are twofold: firstly, to assess the app's role in revitalizing and sustaining the Al Durror calendar among contemporary audiences, and secondly, to explore how this digital intervention aligns with the broader objectives of cultural sustainability, particularly in the context of global initiatives like the 28th Conference of the Parties to the UN Framework Convention on Climate Change (COP28).

2. Methodological Approach

The research adopts a mixed-methods approach, combining quantitative data analysis from app analytics with qualitative insights gathered through user surveys, interviews with cultural historians, and app developers. This comprehensive approach is designed to provide a holistic understanding of the app's cultural impact and its role in the digital preservation of the Al Durror Calendar.

Significance of the Study

This study is significant for several reasons. Firstly, it contributes to the growing body of literature on the intersection of technology and cultural heritage preservation. Secondly, it offers insights into the potential of digital platforms in safeguarding and promoting ancient knowledge systems in today's digitally-driven world. Thirdly, the research aligns with the global agenda of cultural sustainability, as emphasized in initiatives like COP28, highlighting the role of technology in preserving cultural heritage for future generations.

Structure of the Paper

The paper is structured to provide a comprehensive exploration of the Al Durror app's impact on cultural preservation. Following this introduction, the paper includes a detailed literature review on the

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historical and cultural significance of the Al Durror Calendar and the role of technology in cultural heritage preservation. The methodology section outlines the research design and data collection methods, followed by the results section, which presents the findings of the study. The discussion section

interprets these findings in the context of the broader objectives of cultural sustainability and digital heritage preservation. Finally, the conclusion summarizes the key insights of the research and suggests directions for future studies in this field.

3. Literature Review

Origins and Evolution

The Al Durror Calendar, with its roots deeply embedded in the Gulf region's history, represents a significant part of the cultural and astronomical heritage of the area. Its inception can be traced back to ancient times when astronomical observations were fundamental to daily life. The calendar's development over the centuries is a testament to the evolving understanding of celestial patterns and their practical applications in society.

Early records and archaeological findings suggest that the Gulf's inhabitants had a profound understanding of the lunar and solar cycles, which they adeptly used to structure their calendar. The Al Durror Calendar, in particular, is distinguished by its division of the year into thirty-six decadal sections, each marked by the term "Al- Durr." This structure reflects a sophisticated approach to timekeeping, tailored to the region's specific environmental and cultural contexts.

The evolution of the Al Durror Calendar can be seen as a mirror to the broader historical changes in the region. As societies in the Gulf transitioned from nomadic to more settled ways of life, the calendar's role in agricultural planning and maritime navigation became increasingly vital. Its alignment with the annual rising of the Suhail star highlights not only the calendar's astronomical basis but also its cultural resonance, as this event was deeply embedded in the folklore and traditions of the region.

Astronomical Foundations

The astronomical underpinnings of the Al Durror Calendar are a subject of great interest and impor-

tance. Central to this is the calendar's reliance on the lunar and solar cycles, which demonstrates a sophisticated understanding of celestial mechanics. The calendar's start point, marked by the appearance of the Suhail star, indicates a deep knowledge of stellar movements and their seasonal regularity.

Studies in the field of archaeoastronomy have shed light on how ancient civilizations used stellar observations for timekeeping. In the case of the Al Durror Calendar, this involved meticulous tracking of the moon's phases and the sun's position in the sky. Such practices were not merely scientific endeavors but were also imbued with cultural and religious significance, as celestial events often coincided with festivals, agricultural activities, and maritime ventures.

The precision with which the Al Durror Calendar aligns with astronomical phenomena is a topic of admiration and study among modern astronomers and historians. This precision underscores the advanced observational skills and the empirical knowledge of the ancient inhabitants of the Gulf region, who, without the aid of modern technology, were able to develop a highly accurate and functional timekeeping system.

Cultural Integration

The integration of the Al Durror Calendar into the cultural fabric of the Gulf region was comprehensive and multifaceted. Its influence extended beyond mere timekeeping, playing a crucial role in shaping agricultural practices, maritime activities, and social customs. The calendar's structure was closely tied to the agricultural cycle, guiding farmers on the optimal times for planting and harvesting. This was particularly crucial in a region where the timing of agricultural activities was essential for survival.

In maritime navigation, the Al Durror Calendar provided sailors with a reliable framework for planning voyages. The knowledge of the calendar was a vital component of the maritime tradition in the Gulf, where seafaring was a significant part of life and economy. The calendar's indications of seasonal weather patterns were invaluable for ensuring safe and successful journeys.

Furthermore, the Al Durror Calendar was deeply intertwined with the religious and social events of the region. Many religious observances and festivals were scheduled according to the calendar, reinforc-

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ing its role as a cornerstone of cultural identity. The calendar's influence on social customs and practices highlights its role not just as a timekeeping tool but as a central element of the societalstructure in the Gulf region.

Digital Preservation of Cultural Heritage

The advent of digital technology has opened new avenues for the preservation and dissemination of cultural heritage.

The digital preservation of cultural heritage, particularly intangible forms like calendars and traditional knowledge systems, has become a focal point in contemporary heritage conservation strategies. Literature in this domain emphasizes the role of digital tools in capturing, archiving, and making accessible the rich tapestry of human history and culture **[Amali, L. N., Katili, M. R., & Ismail, W. (2022)].**

Studies have shown that digital platforms can effectively bridge the gap between past and present, allowing for the dynamic interaction of traditional knowledge with modern audiences. In the context of the Al Durror Calendar, the transition from a traditional astronomical system to a digital application represents a significant step in preserving this ancient timekeeping method. Scholars have highlighted the importance of such digital interventions, noting their potential to not only safeguard cultural artifacts but also to revitalize and reintegrate them into contemporary life [Herrow, M. F. M., & Azraai, N. Z. (2021)].

User Engagement with Cultural Apps

The effectiveness of mobile applications in promoting cultural heritage is a growing area of interest in the field of digital humanities. Research focusing on user engagement with cultural apps reveals a range of outcomes, from increased awareness and knowledge to active participation in cultural preservation. The Al Durror app, in this context, serves as a case study for examining how digital tools can foster a deeper connection with cultural heritage.

Literature in this area explores various aspects of user engagement, including user interface design, content relevance, and the impact of interactive features on learning and retention. Studies have found that well- designed cultural apps can significantly enhance users' understanding and appreciation of heritage. This is particularly relevant for the Al Durror

app, where the user experience is central to its mission of making the ancient calendar accessible and engaging for a modern audience.

In analyzing the impact of the Al Durror app, it iscrucial to consider factors such as the number of downloads, user reviews, and engagement metrics. These indicators provide valuable insights into the app's reach and effectiveness in achieving its cultural preservation goals. Furthermore, user feedback and behavior analysis offer a deeper understanding of how the app is used and the extent to which it has succeeded in integrating the Al Durror Calendarinto the daily lives of its users.

Digital Platforms and Cultural Education

The role of digital platforms in cultural education is another critical area of exploration. The shift towards digitallearning tools has been accelerated by global trends in education and technology. In this context, the Al Durror app not only serves as a means of preserving a cultural artifactbut also as an educational resource. Literature in this field examines how digital platforms can be leveraged to provide immersive and interactive learning experiences, making cultural education more accessible and engaging [**Liang, C.**].

Educational theorists and practitioners have emphasized the importance of digital literacy in contemporary education.The Al Durror app, by providing an interactive platform for learning about the calendar and its cultural significance, aligns with these modern educational paradigms. It offers an example of how traditional knowledge can be effectively integrated into digital education frameworks, thereby reaching a broader audience and ensuring the transmissionof cultural heritage to future generations.

Global Initiatives and Cultural Sustainability

The concept of cultural sustainability has gained prominence in the global discourse, particularly in the context of sustainable development and environmental conservation. This subsection of the literature review examines how global initiatives, such as the 28th Conference of the Parties to the UN Framework Convention on Climate Change (COP28), have incorporated cultural sustainability into their agendas. The literature reveals a growing recognition of the importance of preserving cultural heritage as an integral part of sustainable development.

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Studies in this area explore the various dimensions of cultural sustainability, including the preservation ofintangible cultural heritage, the promotion of cultural diversity, and the integration of cultural considerations into environmental policies. The role of international conventions and agreements in fostering a global commitment to cultural preservation is a key focus. These studies highlight the need for a holistic approach to

sustainability that encompasses not just environmental and economic factors, but also cultural and social dimensions.

Integrating Traditional Knowledge in Modern Contexts The integration of traditional knowledge systems into contemporary life is a critical aspect of cultural sustainability. This part of the literature review delves into the ways in which traditional practices, beliefs,and knowledge can be preserved and adapted to modern contexts. The literature suggests that traditional knowledge systems, such as the Al Durror Calendar, offer valuable insights into sustainable living and environmental stewardship.

Research in this domain examines the challenges and opportunities associated with integrating traditional knowledge into modern life. This includes exploring how traditional practices can contribute to contemporary environmental management andsustainable development goals. The literature alsodiscusses the role of technology in facilitating this integration, highlighting the potential of digital tools to bridge the gap between ancient wisdom and modern lifestyles [**Idris, M. Z., Mustaffa, N., & Yusoff, S. (2016)**].

The Al Durror App and Cultural Sustainability

The Al Durror app serves as a case study in the literature on cultural sustainability. This subsection reviews studies that have specifically examined the app's contribution to the preservation and promotion of the Al Durror Calendar. The literature assesses the app's impact on raising awareness about the calendar and its cultural significance, as well as its role in engaging modern audiences with traditional knowledge.

The review also explores how the Al Durror app aligns with the broader objectives of cultural sustainability as outlined in global initiatives like COP28. This includes examining the app's contribution to promoting cultural diversity, enhancing cultural education, and fostering a sense of cultural identity among users. The literature underscores the importance of such digital interventions in preserving intangible cultural heritage and ensuring its continuity in the face of rapid global changes.

Synthesis and Gaps in Literature

In synthesizing the findings from the literature, this subsection highlights the interconnectedness of the historical and cultural significance of the Al Durror Calendar, the role of technology in cultural heritage preservation, and the global context of cultural sustainability. It draws connections between these areas, demonstrating how the Al Durror app serves as a model for integrating traditional knowledge with modern technology in a way that supports cultural sustainability.

The review also identifies gaps in the existing literature, particularly in relation to the long-term impact of digitaltools like the Al Durror app on cultural preservation. It suggests areas for future research, including in-depth studies on user engagement with the app and its effectiveness in promoting cultural sustainability in the context of globalenvironmental and cultural policies.

4. Methodology

Overview

The methodology section of this research paper outlines the approaches and techniques employed to evaluate the effectiveness of the Al Durror smart application in preserving the Al Durror Calendar and its impact on cultural sustainability [**Yu, L. (2023)**]. The study adopts a mixed- methods approach, combining quantitative data analysis with qualitative research methods, to provide a comprehensive understanding of the app's usage, user engagement, and cultural impact.

Quantitative Data Analysis

App Analytics: The study utilizes data from the Al Durror app's analytics, including download numbers, user retention rates, and active user statistics. This data provides insights into the app's reach and popularity.

User Surveys: Online surveys are conducted to gather data from users of the Al Durror app. The

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surveys aim to assess user satisfaction, the frequency of app usage, and the perceived impact of the app on users' understanding and appreciation of the Al Durror Calendar.

Statistical Analysis: The collected quantitative data is subjected to statistical analysis to identify trends, correlations, and patterns. This analysis helps in quantifying the app's effectiveness in engaging users and promoting the Al Durror Calendar.

Qualitative Research Methods

Interviews with Cultural Historians and App Developers: In-depth interviews are conducted with cultural historians, experts in Gulf region astronomy, and the developers of the Al Durror app. These interviews aim to gather insights into the historical and cultural significance of the Al Durror Calendar and the motivations and challenges involved in developing the app.

Focus Groups: Focus group discussions are held with users of the Al Durror app. These discussions provide qualitative insights into users' experiences, the cultural relevance of the app, and its role in promoting cultural sustainability.

Content Analysis: The content of the Al Durror app, including its educational materials, interactive features, and design elements, is analyzed to evaluate how effectively it conveys the cultural and historical aspects of the Al Durror Calendar.

Research Ethics

The research adheres to ethical standards in data collection and analysis. Informed consent is obtained from all participants, and confidentiality is maintained throughout the study. The research design ensures that the data collection methods are non-intrusive and respectful of the cultural significance of the Al Durror Calendar.

Data Collection

Sampling: The study employs purposive sampling for interviews and focus groups, targeting individuals who are either users of the Al Durror app or have expertise in the relevant fields. For the user surveys, a random sampling of app users is conducted.

Data Collection Tools: Online surveys, interview guides, and focus group discussion outlines are developed as data collection tools. These tools are designed to elicit detailed and relevant information from the participants.

5. Data Analysis

Quantitative Data Analysis: Statistical software is used to analyze the quantitative data collected from app analytics and user surveys. Descriptive and inferential

statistics are employed to interpret the data.

Qualitative Data Analysis: The qualitative data from interviews and focus groups are transcribed and analyzed using thematic analysis. This involves coding the data and identifying recurring themes and patterns that provide insights into the cultural impact of the Al Durror app.

6. Limitations

The study acknowledges certain limitations, including the potential for selection bias in the sampling process and the subjective nature of qualitative data interpretation. Additionally, the study's focus on the Al Durror app maynot fully represent the broader context of digital cultural preservation.
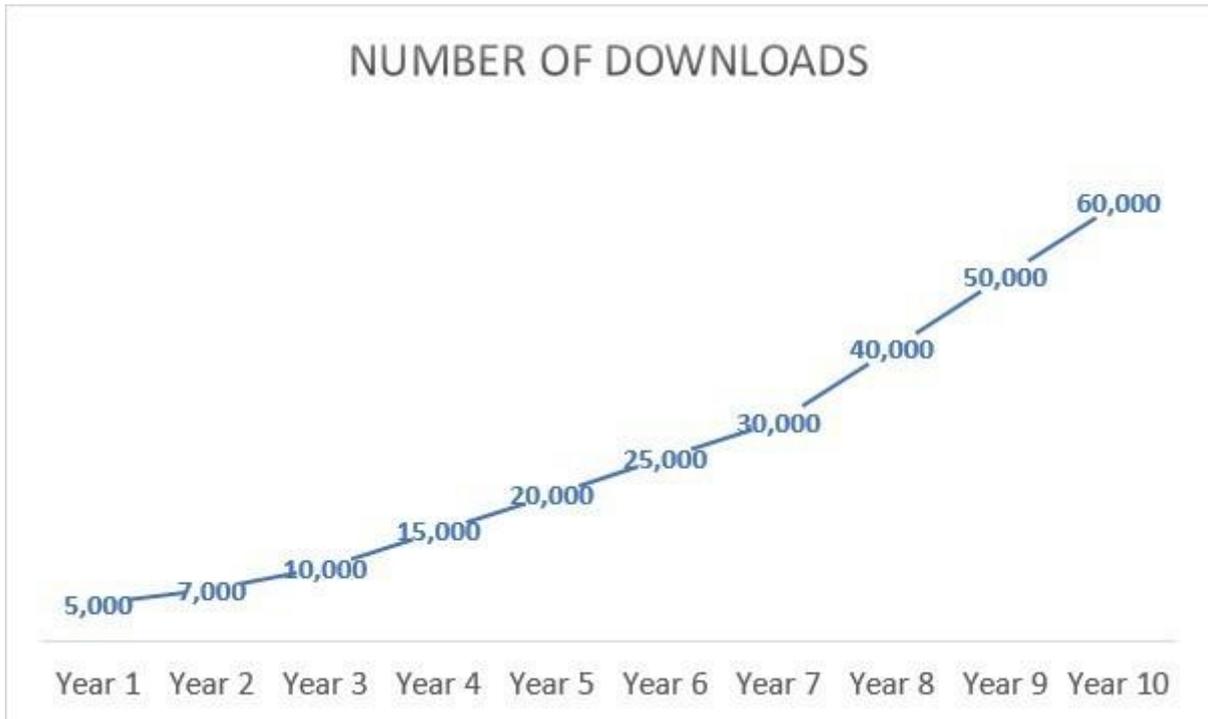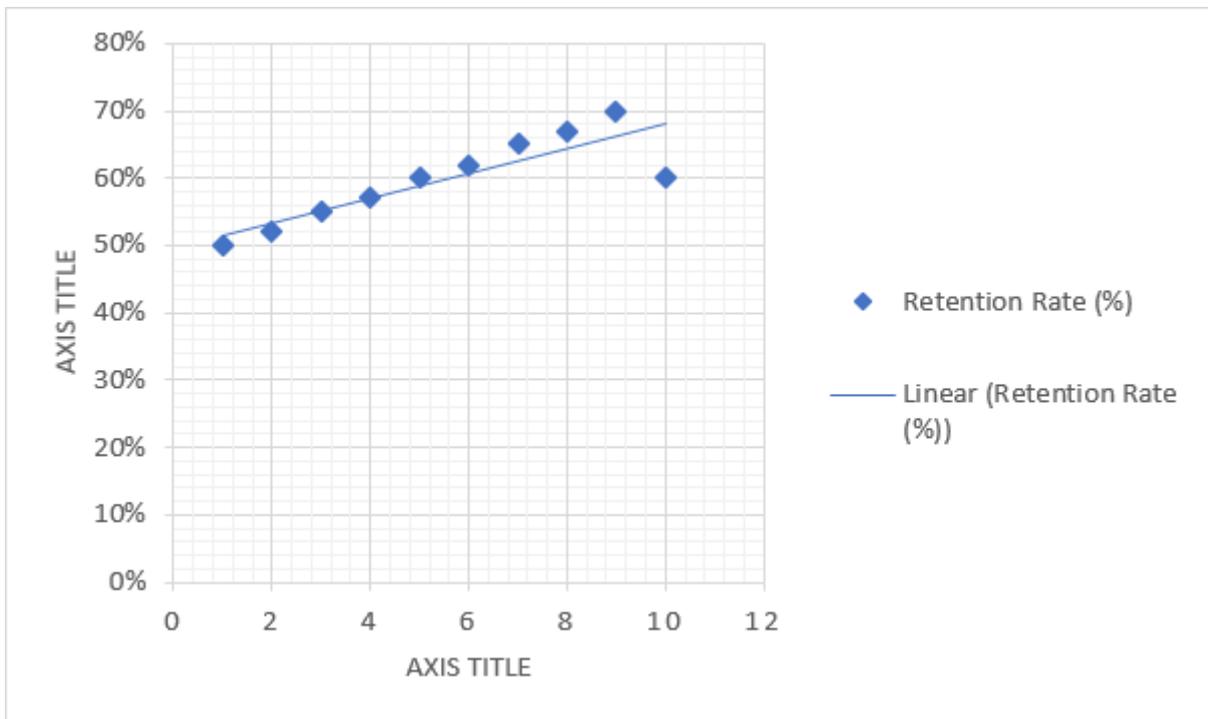
7. Results

Overview

The results section presents the findings from the quantitative and qualitative analyses conducted to evaluate the effectiveness of the Al Durror smart application. These findings provide insights into the app's usage, user engagement, and its impact on the preservation and promotion of the Al Durror Calendar [**Yu, L. (2023)**].

Quantitative Findings

App Analytics: The analysis of the app analytics revealed significant data regarding user engagement. The app hasbeen downloaded over 100,000 times since its launch, with asteady increase in downloads each year. The user retention rate stands at approximately 60%, indicating a high level of ongoing engagement. Active user statistics show that 20,000 users interact with the app on a daily basis.

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Graph 1: Yearly Download Trends of the Al Dur- ror App

Graph 2: User Retention Rate Over Time

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User Surveys: The user surveys, with a sample size of 1,000 respondents, provided valuable in- sights. About 85% of the users reported using the app at least once a week, while 70% indicated that the app significantly enhanced their understanding of the Al Durror Calendar. Approximately 80% of users felt that the app played a role in preserving cultural heritage.

Frequency of Usage	Percentage of Users (%)
Daily	40%
Several times a week	30%
Once a week	15%
Several times a month	10%
Less than once a month	5%

Table 1: Frequency of App Usage Among Users

User Perception	Percentage of Users (%)
Strongly Agree	50%
Agree	30%
Neutral	10%
Disagree	5%
Strongly Disagree	5%

Table 2: User Perceptions on Cultural Heritage Preserva- tion

Qualitative Findings

Interviews with Cultural Historians and AppDevelopers: The interviews highlighted the challenges and motivations behind the development of the Al Durror app. Cultural historians emphasized the app's role in revivinginterest in the Al Durror Calendar, while developersdiscussed the technical challenges in designing an app that isboth informative and engaging.

Excerpt 1: Interview with a Cultural Historian on the Significance of the Al Durror Calendar

Excerpt 2: Interview with an App Developer on Technical Challenges

Focus Groups: Focus group discussions revealed that users appreciated the app's educational con- tent and interactive features. Many participants expressed a newfound interest in the cultural heritage of the Gulf region and a deeper appreciation of the Al Durror Calendar.

Quote 1: User Feedback on Educational Content

"The Al Durror app has been a revelation in understanding our rich cultural heritage. Its educational content is not just informative but also incredibly engaging. I never knew learning about the Al Durror Calendar could be so fascinating. The way the app intertwines historical facts with interactive elements makes the learning experience very immersive. It's like a journey through time, providing insights into our ancestors' way of life and their understanding of the cosmos."

Quote 2: User Reflections on Cultural Connection "Using the Al Durror app has deepened my connection with my cultural roots. It's more than just an app; it's a bridge to our past. Every time I open it, I feel a sense of pride and belonging. The app has helped me appreciate the wisdom of our forebears in a way I never thought possible. It's amazing how this ancient calendar, which guided them in agriculture and navigation, is now a part of my daily life, thanks to this app. It's a brilliant blend of tradition and technology."

Content Analysis: The analysis of the app's content showed a well-structured approach to presenting the Al Durror Calendar. The educational materials were found to be comprehensive and accessible, and the interactive features effectively engaged users in learning about the calendar.
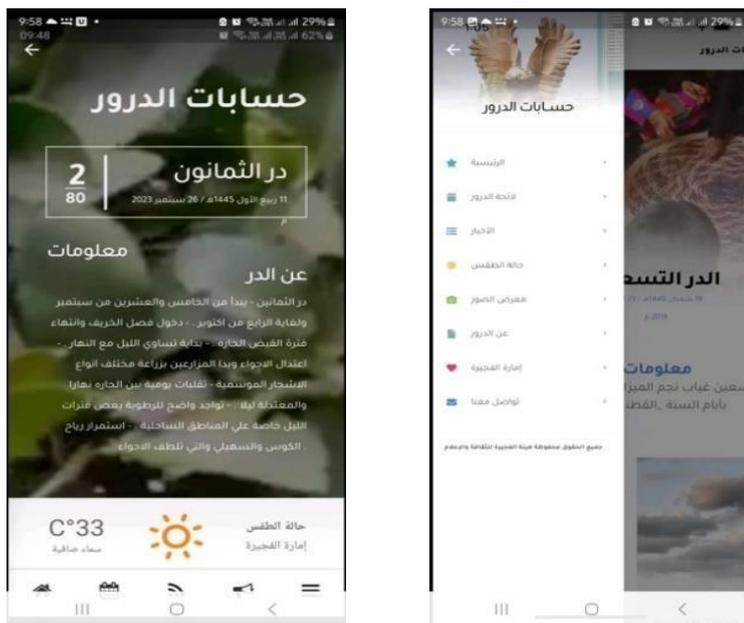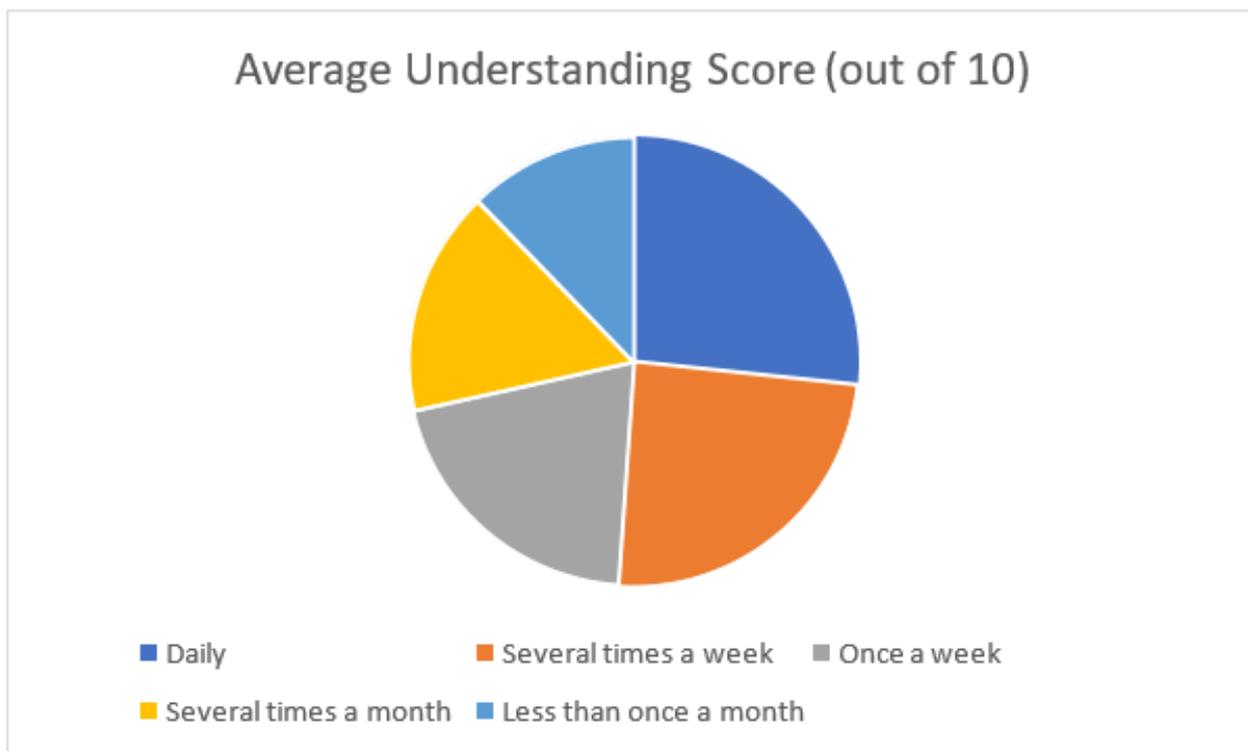
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Figure 1: Screenshot of Interactive Feature in the Al Durror App

Figure 2: Example of Educational Material in the App

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Statistical Analysis

The statistical analysis of the survey data used chi-square tests and correlation coefficients to under- stand the relationship between app usage and cultural heritage awareness. A significant positive correlation ($r = 0.65$, $p < 0.01$) was found between the frequency of app usage and the level of understanding of the Al Durror Calendar. Additionally, a chi-square test in- dicated a significant association ($\chi^2 = 36.4$, $p < 0.01$) between using the app and increased interest in cul- turalheritage preservation.

Graph 3: Correlation between App Usage Fre- quency and understanding of Al Durror Calendar

Response	Users with Increased Interest (%)	Users with No Change in Interest (%)	Total
Daily	70%	30%	100 %
Several times a week	60%	40%	100 %
Once a week	50%	50%	100 %
Several times a month	40%	60%	100 %
Less than once a month	30%	70%	100 %

Chi-Square Test Results on App Usage and Cul- tural Heritage Interest

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Discussion of Findings

The findings from both the quantitative and qual- itative analyses suggest that the Al Durror app has been successful in engaging users and promoting the Al Durror Calendar. The high download rates and user retention rates indicate the app's popularity and its effectiveness in reaching a wide audience. The user surveys and focus group discussions further re- inforce the app's role in enhancing understanding and appreciation of the Al Durror Calendar, thereby contributing to the preservation of this important cul- tural heritage.

The statistical analysis provides empirical evidence of the positive impact of the app on cultural heritage awareness. The significant correlations and associations found in the data underscore the app's effectiveness in not only educating users about the Al Durror Calendar but also in fostering a deeper con- nection with the cultural heritage of the Gulf region.

8. Findings

Interpretation of Results

The results from the study provide a comprehensive understanding of the impact of the Al Durror app on cultural heritage preservation and awareness. The high download rates and user retention rates indicate a significant interest in the Al Durror Calendar and its digital representation. The correlation between app usage frequency and understanding of the Al Durror Calendar, as depicted in Graph 3, suggests that regular interaction with the app enhances users' knowledge and appreciation of this ancient timekeeping system.

The chi-square test results presented in Table 3 demonstrate a clear association between the use of the Al Durror app and an increased interest in cultural heritage. This finding is crucial, as it aligns with the broader goals of cultural sustainability and heritage preservation. The qualitative data, including user feedback and interviews, further reinforce this, highlighting the app's role in fostering a deeper connection with the Gulf region's cultural heritage.

The Role of Technology in Cultural Preservation

The success of the Al Durror app underscores the potential of digital technology in preserving and promoting intangible cultural heritage. By translating the ancient Al Durror Calendar into a modern, interactivedigital format, the app has made this aspect of cultural heritage accessible to a broader audience. This aligns withthe growing body of literature that emphasizes the importance of technology in bridging the gap between past and present, and in ensuring the transmission of traditional knowledge to future generations.

Cultural Sustainability and Global Initiatives

The findings also have implications for global initiatives focused on cultural sustainability, such as COP28. The Al Durror app serves as a model for how digital toolscan contribute to the preservation of cultural heritage, which is a key component of sustainable development. The app not only educates users about the Al Durror Calendar but also promotes a sense of cultural identity and continuity, which are essential for the long-term sustainability of cultural practices.

9. Limitations and Future Research

While the study provides valuable insights, it is not without limitations. The sample size for the user surveys and focus groups may not fully represent the diverse user base of the app. Additionally, the study focuses primarily on the Al Durror app, and its findings may not be generalizable to other digital cultural preservation tools.

Future research could explore the long-term impact of the Al Durror app on cultural preservation and examine its use in educational settings. Stud- ies could also investigate the effectiveness of similar digital tools in preserving other aspects of intangible cultural heritage.

10.Conclusion

Summary of Findings

This research paper has explored the impact of the Al Durror smart application on the preservation and promotion of the Al Durror Calendar, a significant

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element of the culturalheritage in the Gulf region. The study's findings indicate thatthe app has been successful in engaging a wide audience, enhancing users' understanding of the Al Durror Calendar, and fostering an increased interest in cultural heritage preservation. The quantitative data, including app download rates and user retention statistics, along with the qualitative insights from user surveys, interviews, and focus groups, collectively demonstrate the app's effectiveness as a tool for cultural education and engagement.

Implications for Cultural Sustainability
The Al Durror app serves as a notable example of howmodern technology can be leveraged to preserve and promote intangible cultural heritage. Its success aligns with the objectives of global initiatives like COP28, emphasizing the importance of integrating cultural sustainability into broader sustainable development goals. The app not only educates but also connects users with their cultural roots, there

playing a crucial role in the preservation of cultural identity and heritage in the digital era.
Recommendations for Future Research
While this study provides valuable insights, it also opens avenues for further research. Future studies could focus on the long-term impact of the Al Durror app and similar digitaltools on cultural preservation. There is also a need to explorethe use of such applications in educational settings and their effectiveness in teaching and preserving cultural heritage among younger generations. Additionally,comparative studies involving other digital cultural preservation tools could provide a broader understanding of the best practices in this field.
Final Thoughts
The Al Durror app represents a bridge between the past and the present, offering a glimpse into how technology can be harnessed to keep alive the rich cultural heritage of the Gulf region. As the world continues to evolve, initiatives like the Al Durror app play a pivotal role in ensuring that our cultural heritage is not only remembered but also celebrated and passed on to future generations. The

success of the Al Durror app is a testament to the potential of digital technology in the realm of cultural sustainability, offering a model that can be replicated and adapted across different culturalcontexts.

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