

TAMIL NADU CULTURAL CONNECT PLATFORM

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

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ABSTRACT

The Tamil Nadu Culture Development and Promotion Website is a digital platform dedicated to preserving and promoting the rich cultural heritage of Tamil Nadu state. By providing information, multimedia content, and interactive features, the website aims to educate visitors about the significance of Tamil Nadu's cultural legacy. It showcases the historical evolution of various art forms, such as classical music, dance, paintings, and food, highlighting their enduring influence on the modern society.

The website also serves as a vital resource for initiatives aimed at cultural revitalization and preservation amidst modern challenges. It provides guidance on sustainable practices for safeguarding heritage practices, promoting cross-generational talks, and supporting local artists and performers. Embracing technological advancements, the website offers innovative solutions and resources for engaging with Tamil Nadu's cultural heritage in a digital age. The platform focuses on publishing the various traditions of the state be it music, dance, art or any other form performed or prepared by the artist. Viewers of various age groups are enlightened about these which in turn improve cross generational dialogues preserving the indigenous culture of the state. Thus the Tamil Nadu Culture Development and Promotion Website, Tamil Nadu Cultural Connect serves as a dynamic platform that celebrates the past and present.

ACKNOWLEDGMENT

First, we thank the almighty god for the successful completion of the project. Our sincere thanks to our chairman **Mr. S. Meganathan B.E., F.I.E.**, for his sincere endeavor in educating us in his premier institution. We would like to express our deep gratitude to our beloved Chairperson **Dr. Thangam Meganathan Ph.D.**, for her enthusiastic motivation which inspired us a lot in completing this project and Vice Chairman **Mr. Abhay Shankar Meganathan B.E., M.S.**, for providing us with the requisite infrastructure.

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CHAPTER 1

INTRODUCTION

In an era marked by rapid globalization and technological advancements, the preservation of Tamil Nadu's traditional culture stands as a poignant endeavor. Our project, "TAMIL NADU CULTURAL CONNECT PLATFORM" embodies a pioneering initiative aimed at safeguarding and promoting the richness of Tamil Nadu's heritage through an innovative digital platform.

Our project is a comprehensive website designed to serve as a dynamic platform of the diverse elements that constitute Tamil Nadu's cultural tapestry. From the graceful movements of traditional dancers to the melodies of indigenous musicians, from the craftsmanship of local artisans to the flavors of authentic Tamil cuisine, every aspect of the region's cultural heritage finds a rightful place within our digital platform.

However, our platform transcends the role of a mere archive; it serves as a vibrant community hub where enthusiasts and interested folks alike can engage, explore, and celebrate Tamil Nadu's rich cultural heritage. Users can immerse themselves in captivating posts, informative pages, and engaging multimedia content, fostering a deeper understanding and appreciation for the traditions that have shaped Tamil Nadu's identity over centuries.

Moreover, interactive features such as liking, commenting, and sharing empower users to actively participate in the preservation and promotion of Tamil Nadu's age-old traditions.

Our mission is to honor, preserve, and perpetuate the timeless legacy of Tamil Nadu's cultural heritage, uniting communities and fostering pride in our shared identity.

1.1 PROBLEM STATEMENT

The project addresses the need for developing a digital platform that creates a comprehensive repository, ensures authenticity, and fosters cross- generational dialogue for the appreciation and revitalization of diverse cultural elements to preserve endangered indigenous heritage and culture amidst modern challenges.

1.2 SCOPE OF THE WORK

Our project aims to create a comprehensive website to preserve and promote Tamil Nadu's traditional culture. It will feature details and photos of traditional dancers, artists, singers, and food. Users can engage through liking, commenting, and purchasing Tanjore paintings, as well as booking events with performers. Enthusiasts, artists, performers, and cultural enthusiasts benefit by engaging with and preserving Tamil Nadu's rich traditional heritage.

1.3 AIM AND OBJECTIVES OF THE PROJECT

The aim of our project is to develop a digital platform dedicated to preserving and fostering the rich traditional culture of Tamil Nadu. Our objectives include creating a user-friendly website with comprehensive information on traditional dancers, artists, singers, and cuisine. It will feature details and photos of traditional dancers, artists, singers, and food. Additionally, we aim to facilitate user engagement through interactive features such as liking, commenting, and purchasing Tanjore paintings, while also enabling event bookings with performers to promote cultural exchange and appreciation of the state.

1.4 RESOURCES

For the successful execution of this project, essential resources include a functional computer workstation with necessary software tools, unlimited internet access for extensive secondary research, and unrestricted access to the university lab for academic resources and technical support. Additionally, access to xampp server or similar software is crucial for programming the system. Utilizing the university library's physical and digital resources, coupled with guidance from faculty members or mentors, will further enhance research efforts. These resources collectively form the foundation for conducting thorough research, gathering relevant content, and programming the desired system to achieve project objectives effectively.

1.5 MOTIVATION

Our motivation stems from a deep appreciation for Tamil Nadu's vibrant cultural heritage. We seek to safeguard and promote its traditional art forms, cuisine, and customs for future generations. By creating an accessible digital platform, we aim to foster pride and awareness in our shared cultural identity while facilitating connections between enthusiasts and practitioners, ensuring the preservation and vitality of our cherished traditions. We aim at improving the cross-generational dialogues that help to preserve the indigenous culture. Additionally, we strive to provide educational resources and virtual experiences that bring the richness of Tamil Nadu's heritage to a global audience, fostering a deeper understanding and respect for its unique traditions. We believe this platform can serve as a bridge, connecting the past and present.

CHAPTER 2

LITERATURE SURVEY

2.1 LITERATURE SURVEY

Tamil Nadu, renowned for its rich cultural heritage, boasts a diverse tapestry of traditional art forms, cuisine, music, dance, and customs. The preservation and promotion of this cultural legacy have become increasingly vital in the face of globalization and rapid societal changes. This literature survey delves into existing studies, articles, and resources to explore the historical significance, current trends, challenges, and preservation efforts related to Tamil Nadu's traditional culture.

Historical Background and Cultural Significance

Tamil Nadu's cultural heritage is deeply rooted in its history, with influences from ancient civilizations, dynasties, and religious movements shaping its diverse traditions. From the classical music compositions of Carnatic music to the intricate dance forms like Bharatanatyam, Tamil Nadu's cultural landscape reflects centuries of artistic evolution and innovation. Traditional cuisine, characterized by its use of indigenous ingredients and aromatic spices, further enriches the region's cultural identity. Moreover, customs and rituals embedded in daily life and festivals contribute to the vibrant tapestry of Tamil Nadu's cultural heritage.

Current Trends and Challenges

In recent years, globalization and modernization have posed significant challenges to the preservation of Tamil Nadu's traditional culture. Rapid urbanization, changing

lifestyles, and the influence of Westernization have led to a gradual erosion of traditional practices and values. Additionally, socioeconomic disparities and limited access to resources have marginalized certain art forms and communities, threatening their sustainability. Furthermore, the digitization of cultural artifacts and the rise of digital platforms have raised questions about the authenticity and preservation of traditional knowledge in the digital age.

Preservation Efforts and Digital Initiatives

Despite these challenges, numerous initiatives have emerged to safeguard and promote Tamil Nadu's traditional culture. Government agencies, cultural organizations, and grassroots movements have undertaken various projects to document, revive, and transmit traditional art forms, cuisine, and customs to future generations. Digital platforms play a pivotal role in these preservation efforts, offering accessible avenues for education, promotion, and engagement. Websites, mobile applications, and social media channels serve as repositories of cultural knowledge, facilitating virtual exhibitions, workshops, and interactive experiences for enthusiasts worldwide. Additionally, online marketplaces enable artisans and performers to showcase and sell their creations, thereby supporting their livelihoods and promoting cultural sustainability.

Conclusion

In conclusion, the preservation of Tamil Nadu's traditional culture is essential for maintaining the region's cultural identity, fostering community cohesion, and enriching global cultural diversity. While globalization and technological advancements present challenges, innovative digital initiatives offer promising solutions for cultural preservation and revitalization. By harnessing the power of digital platforms,

stakeholders can ensure the continuity and vibrancy of Tamil Nadu's cultural heritage for generations to come.

Tamil Nadu is renowned for its rich traditions in dance, music, art, and cuisine, reflecting its deep cultural heritage. Bharatanatyam, the classical dance form originating from Tamil Nadu, is celebrated for its grace, intricate footwork, and expressive storytelling. The state is also the birthplace of Carnatic music, a classical music tradition that emphasizes vocal performance and intricate rhythms, with notable composers like Tyagaraja and Muthuswami Dikshitar.

In the realm of visual arts, Tamil Nadu boasts exquisite temple architecture and sculpture, with intricate carvings that adorn ancient temples such as those in Mahabalipuram and Thanjavur. Tanjore painting, known for its vivid colors and rich gold leaf work, is a traditional art form that has been passed down through generations.

The cuisine of Tamil Nadu is equally rich and diverse, characterized by its use of rice, lentils, and a variety of spices. Signature dishes like dosa, idli, sambar, and rasam highlight the region's culinary excellence. The use of tamarind, coconut, and curry leaves adds unique flavors to Tamil cuisine, making it distinct and celebrated worldwide.

Together, these elements of dance, music, art, and food underscore Tamil Nadu's cultural significance and its enduring influence on Indian heritage.

This literature survey underscores the significance of ongoing efforts to preserve and promote Tamil Nadu's traditional culture, emphasizing the importance of collaboration, innovation, and inclusive participation in safeguarding this invaluable legacy.

2.2 PROPOSED SYSTEM

Our proposed web development project seeks to create a comprehensive platform dedicated to preserving and promoting Tamil Nadu's traditional culture, employing PHP, MySQL, and XAMPP server technologies. The platform will offer an intuitive user interface, ensuring accessibility and engagement across various devices. Users will access a curated repository of content, including profiles of traditional artists, dancers, musicians, and chefs, as well as multimedia resources showcasing Tamil Nadu's diverse art forms, cuisine, music, and dance. Integrated e-commerce functionality will enable users to support local artisans by purchasing traditional artifacts and culinary products.

Additionally, an event booking system will facilitate scheduling appointments for cultural events and performances, fostering cultural exchange and appreciation. Our platform will include separate login portals for administrators and users. Users will have the ability to like and comment on content, while administrators will have privileges to add, modify, and manage posts, ensuring a dynamic and interactive user experience. Likes and comments on artist posts are vital in the modern age, offering validation and encouragement. They foster a sense of community and appreciation for Tamil Nadu's cultural heritage, motivating artists and engaging users in preserving and promoting traditional culture.

Community forums and educational resources will further enrich the user experience, encouraging dialogue, learning, and exploration within the vibrant Tamil Nadu cultural community. Through innovative features and technologies, our platform aims to celebrate and perpetuate the timeless legacy of Tamil Nadu's cultural heritage, preserving its richness for future generations to explore and cherish.

2.3 ALGORITHM

1. **Initialize Platform** : Start by setting up the development environment using XAMPP server and configuring PHP and MySQL.
2. **User Authentication** : Implement separate login systems for administrators and users to access the platform securely.
3. **Admin Panel Dashboard** : Define admin privileges to allow adding, modifying, and managing posts, users, and content.
4. **User Engagement Features** : Develop features for users to like, comment, and share posts to encourage interaction and community building.
5. **Content Management** : Create a database schema to store profiles of traditional artists, dancers, musicians, chefs, along with multimedia content showcasing various art forms, cuisine, music, and dance.
6. **E-commerce Integration** : Integrate e-commerce functionality to enable users to purchase traditional artifacts and culinary products directly through the platform.
7. **Event Booking System** : Implement an event booking system for users to schedule appointments for cultural events and performances.
8. **User Interface Design** : Design an intuitive and visually appealing user interface with clear navigation, interactive elements, and responsive design for optimal user experience across devices.

2.4 INFERENCE MECHANISM

The inference mechanism for our web platform revolves around leveraging user interactions, content analytics, and community feedback to foster engagement and promote the preservation of Tamil Nadu's traditional culture. By analyzing user interactions such as likes, comments, and shares, we gain valuable insights into user preferences and interests, allowing us to tailor content recommendations and prioritize popular posts and topics.

Additionally, monitoring content analytics, including views, engagement rates, and user demographics, enables us to identify trends and patterns in user behavior, optimizing content creation and curation strategies to better meet user expectations. Gathering feedback from users through surveys, polls, and community forums further enhances our understanding of user needs, preferences, and suggestions for improvement. The iterative development approach ensures continuous refinement of the platform based on user feedback and performance analytics, ensuring relevance and effectiveness in promoting Tamil Nadu's cultural heritage. By regularly releasing updates and enhancements, we maintain a vibrant and dynamic online community dedicated to celebrating and preserving the region's diverse cultural traditions for future generations to cherish and explore. This feedback informs decision-making processes and guides future development efforts to enhance the platform's functionality and user experience. Utilizing an iterative development approach allows us to continuously refine and improve the platform based on user feedback and performance analytics, ensuring it remains relevant, engaging, and effective in promoting the preservation of Tamil Nadu's rich cultural heritage.

CHAPTER 3

SYSTEM DESIGN

3.1 GENERAL

In this section, we would like to show how the general outline of how all the components end up working when organized and arranged together.(as shown in fig 3.2)

3.2 SYSTEM ARCHITECTURE DIAGRAM

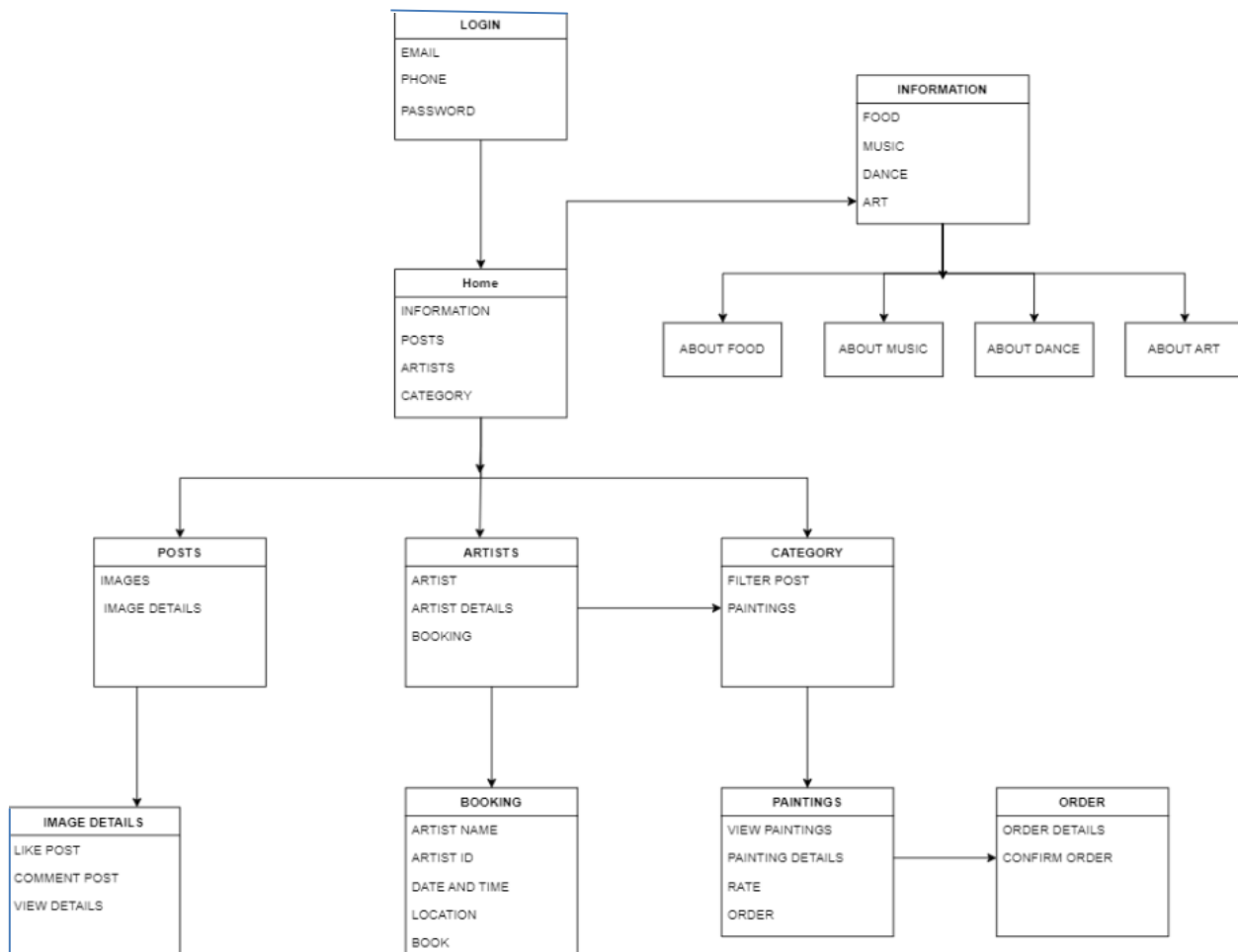


Fig 3.2: System Architecture

3.3 DEVELOPMENTAL ENVIRONMENT

3.3.1 HARDWARE REQUIREMENTS

The hardware requirements may serve as the basis for a contract for the system's implementation. It should therefore be a complete and consistent specification of the entire system. It is generally used by software engineers as the starting point for the system design.

Table 3.1 Hardware Requirements

COMPONENTS	SPECIFICATION
PROCESSOR	Intel Core i5
RAM	8 GB RAM
GPU	NVIDIA GeForce GTX 1650
MONITOR	15" COLOR
HARD DISK	512 GB
PROCESSOR SPEED	MINIMUM 1.1 GHz

3.3.2 SOFTWARE REQUIREMENTS

The software requirements for the web platform encompass a web development framework like PHP, a relational database management system such as MySQL, and a local server environment like XAMPP for testing and deployment purposes. Additionally, front-end development tools including HTML, CSS, and JavaScript are essential for creating the user interface. These software components collectively form the foundation for building a dynamic and interactive platform for preserving Tamil Nadu's traditional culture.

3.4 FLOW DIAGRAM

Our system enables early detection of oil and gas leaks, enhances safety protocols, and minimizes explosion risks in the oil and gas industry.(shown in Fig 3.4a)

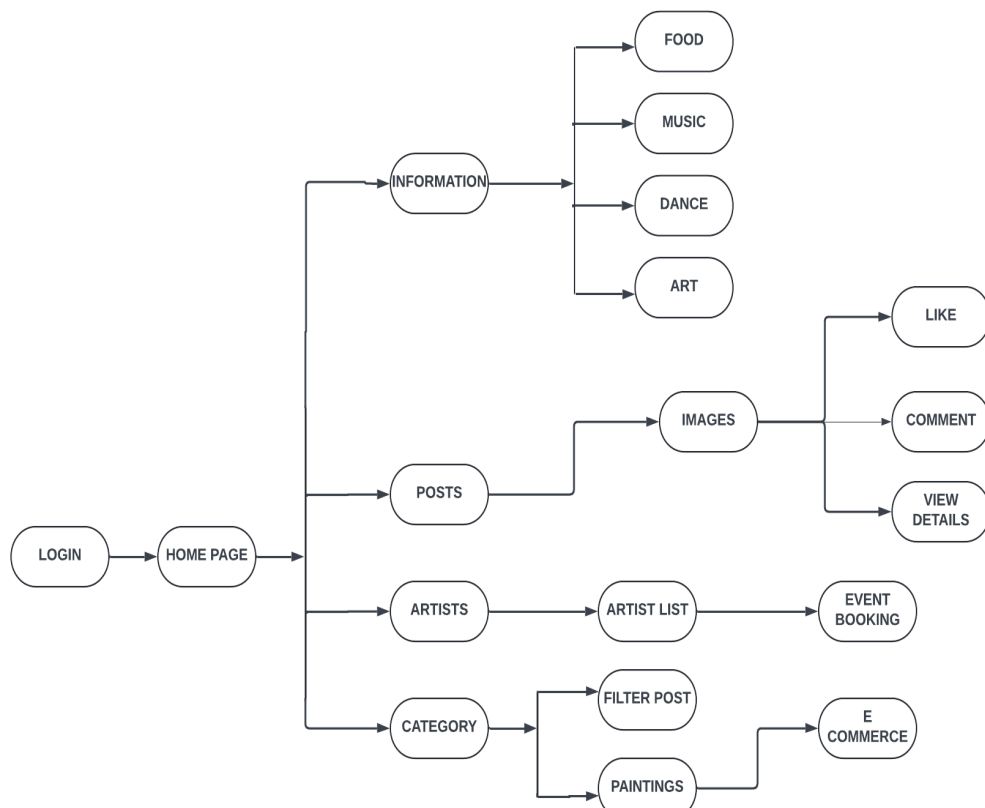


Fig 3.4: a) User Flow Diagram

Login page first directs to homepage which contains information about food, art ,music, dance. Post contains latest posts where they can like and comment. Artist category filters categories of art, dance, music, food. The user can buy paintings in store and books theatre plays tickets in event booking

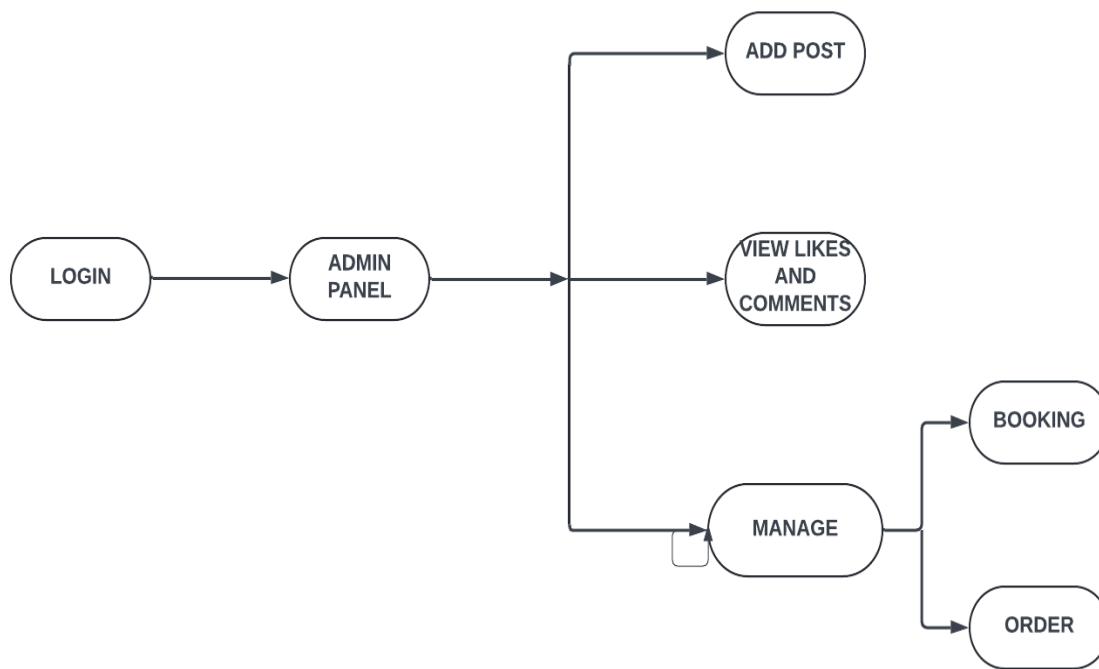


Fig 3.4: b) Admin Flow Diagram

In the admin panel, admins have the ability to manage posts effectively. They can create new posts, view existing ones, and monitor likes and comments. Admins can also delete and edit posts as needed. Additionally, they have the functionality to log in and register, ensuring secure access to the panel. This comprehensive control helps maintain the content and interactions on the platform efficiently.

In the admin panel, admins have extensive control over content management. They can create new posts, view existing ones, and monitor user interactions through likes and comments. Admins can delete inappropriate posts and edit content for accuracy and relevance. The system includes secure login and registration features for admins, ensuring only authorized personnel have access. This functionality allows admins to maintain the quality and integrity of the platform, providing a seamless experience for all users while ensuring content is up-to-date and engaging.

CHAPTER 4

PROJECT DESCRIPTION

4.1 METHODOLOGY

The methodology for developing our web platform to preserve Tamil Nadu's traditional culture begins with thorough research and analysis of the region's diverse heritage, drawing insights from existing digital initiatives. Collaborating with stakeholders and cultural experts, we gather requirements and define project goals, scope, and objectives. Design and planning involve creating wireframes and prototypes to visualize the platform's layout and functionality, accompanied by a comprehensive project plan outlining timelines and milestones.

Development entails implementing PHP for server-side scripting, MySQL for database management, and XAMPP for local server hosting, alongside front-end technologies like HTML, CSS, and JavaScript for creating an intuitive user interface. Content curation involves sourcing and curating authentic content, including profiles of traditional artists and multimedia resources showcasing various art forms and cuisine. Rigorous testing ensures platform reliability and usability, with functional, performance, and security tests conducted prior to deployment. Post-launch, user engagement is fostered through interactive features and community forums, with feedback gathered to inform iterative improvements. Continuous monitoring of platform performance and user feedback allows for ongoing optimization, ensuring the platform remains a dynamic hub for preserving and promoting Tamil Nadu's rich cultural heritage, fostering pride, awareness, and appreciation for generations to come.

4.2 MODULE DESCRIPTION

1. User Authentication Module:

- Facilitates secure registration, login, and logout, ensuring authenticated access to platform features and content, thereby enhancing user security and privacy.

2. Admin Panel Module:

- Empowers administrators with privileged access to efficiently manage user accounts, content, and platform settings, streamlining administrative tasks and ensuring effective platform governance.

3. User Profile Module:

- Enables users to create and customize profiles, managing personal information and account settings to tailor their platform experience according to individual preferences and requirements.

4. Content Management Module:

- Streamlines content creation, editing, and deletion processes for articles, multimedia resources, and user-generated content, facilitating seamless content management and organization within the platform ecosystem.

5. E-commerce Integration Module:

- Seamlessly integrates e-commerce functionality, allowing users to browse, select, and purchase traditional artifacts and culinary products directly through the platform interface, enhancing user convenience and accessibility to cultural products.

6. Event Booking Module:

- Simplifies event scheduling and management, enabling users to effortlessly schedule appointments for cultural events, performances, workshops, and culinary experiences, fostering user engagement and participation in cultural activities.

7. Educational Resources Module:

- Provides comprehensive educational materials, including articles, tutorials, and guides, to educate users about Tamil Nadu's traditional culture, enhancing user knowledge and appreciation of cultural heritage.

8. User Engagement Module:

- Promotes user interaction and participation through features such as liking, commenting, sharing, and following, fostering a sense of community and collaboration among platform users, thereby enhancing user engagement and retention.

9. Security and Compliance Module:

- Ensures platform security and compliance with data protection regulations, implementing robust security measures and privacy safeguards to protect user information and maintain platform integrity and trustworthiness.

10. Continuous Improvement Module:

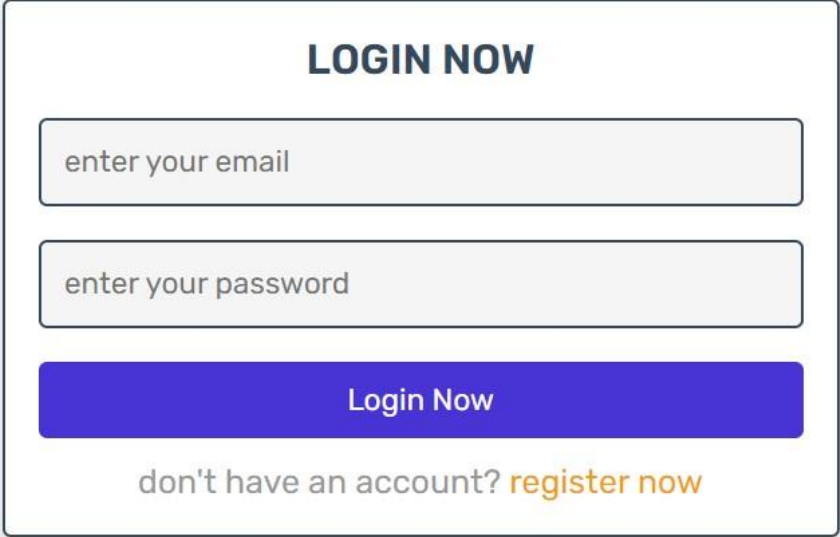
- Supports ongoing optimization and enhancement of platform features and functionalities, facilitating iterative development and continuous improvement to meet evolving user needs and preferences, ensuring long-term platform viability and relevance.

CHAPTER 5

RESULTS AND DISCUSSIONS


5.1 OUTPUT

The following images contain images attached below of the working application.



A screenshot of a login page. The page has a light gray background. In the center, there is a white rectangular box with a thin black border. Inside this box, the text "LOGIN NOW" is displayed in bold, dark blue, uppercase letters. Below this text are two input fields: the first is labeled "enter your email" and the second is labeled "enter your password", both in a light gray font. Below the input fields is a solid blue button with the text "Login Now" in white. At the bottom of the box, the text "don't have an account? register now" is displayed, where "register now" is in a brownish-orange color.

Fig 5.1: Login Page



The image shows a web form titled "Update Profile". It contains four text input fields stacked vertically. The first field has the text "admin" entered. The second field has the placeholder text "enter your old password". The third field has the placeholder text "enter your new password". The fourth field has the placeholder text "confirm your new password". Below these fields is a solid blue button with the text "Update Now" in white.

Update Profile

admin

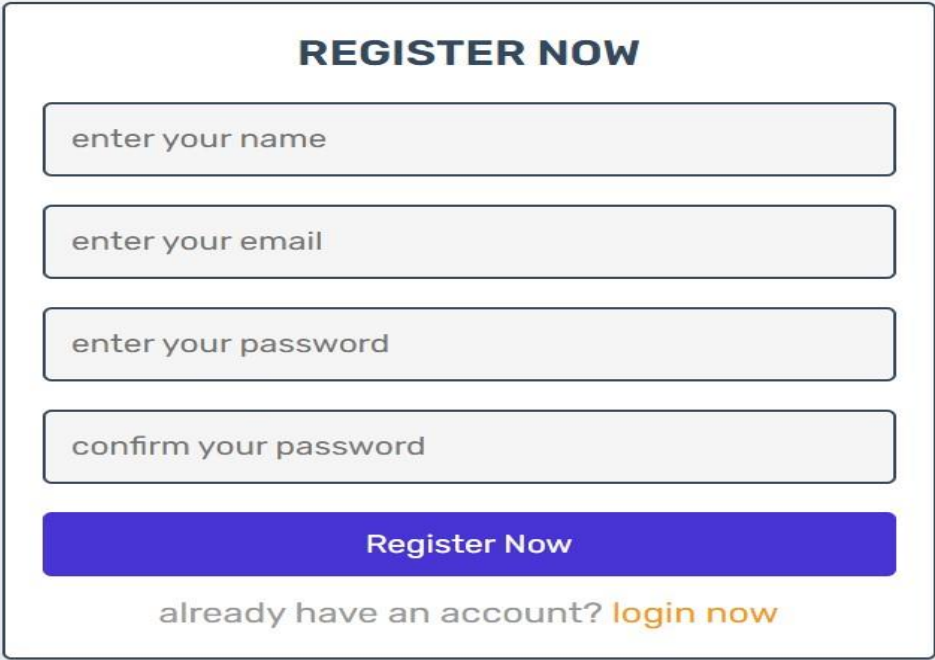
enter your old password

enter your new password

confirm your new password

Update Now

Fig 5.2: Update profile page



The image shows a web form titled "REGISTER NOW". It contains four text input fields stacked vertically. The first field has the placeholder text "enter your name". The second field has the placeholder text "enter your email". The third field has the placeholder text "enter your password". The fourth field has the placeholder text "confirm your password". Below these fields is a solid blue button with the text "Register Now" in white. At the bottom of the form, there is a link that says "already have an account? login now", where "login now" is in orange.

REGISTER NOW

enter your name

enter your email

enter your password

confirm your password

Register Now

already have an account? [login now](#)

Fig 5.3: Register page

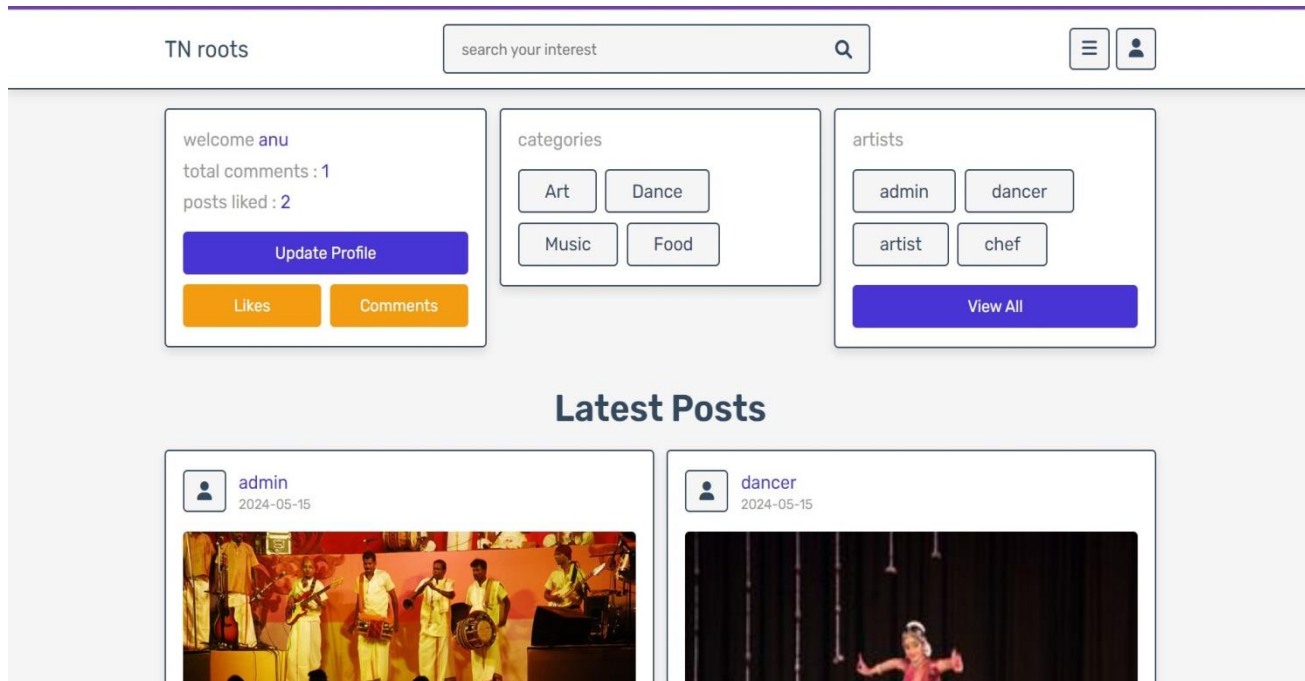


Fig 5.4: User homepage

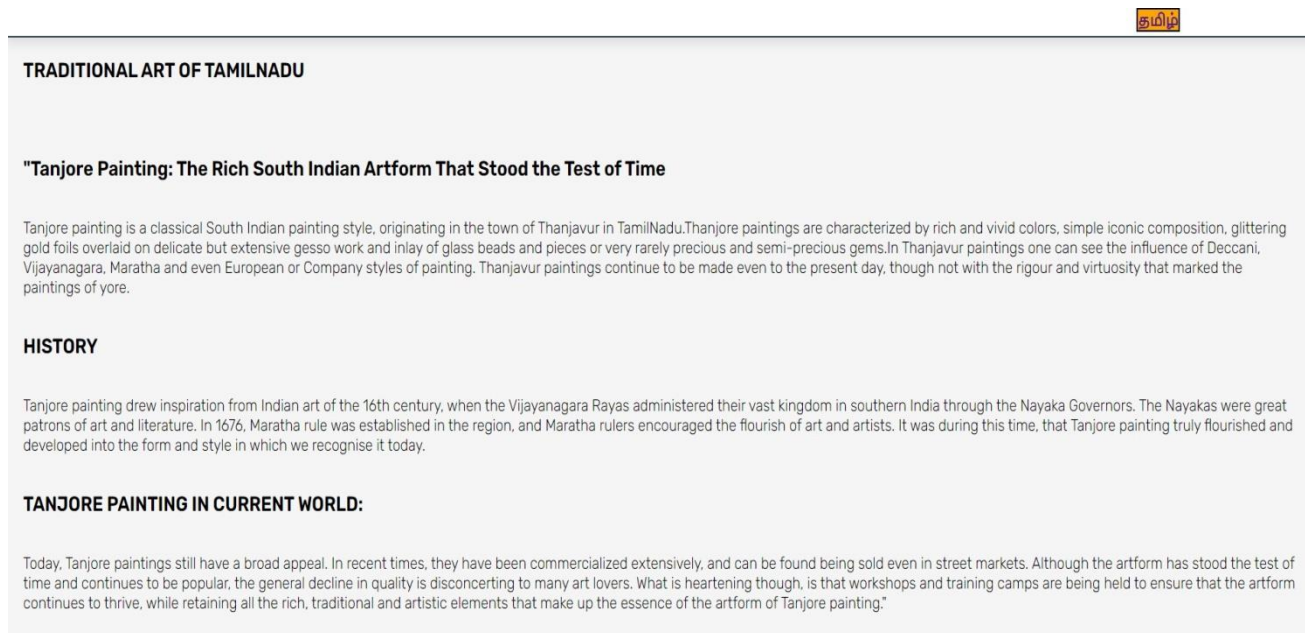


Fig 5.5: Information page

தமிழ்நாட்டின் பாரம்பரிய ஓவியக் கலை

"தஞ்சாவூர் ஓவியம்: நேரத்தை எதிர்கொள்ளும் தென்மேற்கு இந்திய கலைமொழியாக்கத்தின் சிறந்த நாட்டு கலையாக்கம்"

தஞ்சை ஓவியம் என்பது தமிழ்நாட்டின் தஞ்சாவூரில் உருவான ஒரு பாரம்பரிய தென்னிந்திய ஓவியப் பாணியாகும். அல்லது மிகவும் அரிதாக விலைமதிப்பற்ற மற்றும் அரைகுறையான ரத்தினங்கள் தக்காணி, விஜயநகரம், மராட்டியம் மற்றும் ஐரோப்பிய அல்லது கம்பெனி பாணி ஓவியங்கள் கூட. தஞ்சாவூர் ஓவியங்கள் பழங்கால ஓவியங்களைக் குறிக்கும் சுடுமை மற்றும் திறமையுடன் இல்லாவிட்டாலும், இன்றளவும் வரையப்பட்டு வருகின்றன.

தஞ்சாவூர் ஓவியம் வரலாறு:

தஞ்சை ஓவியம் 16 ஆம் நூற்றாண்டின் இந்திய கலையிலிருந்து உத்வேகம் பெற்றது, விஜயநகர ராயர்கள் நாயக்க ஆளுநர்கள் மூலம் தென்னிந்தியாவில் தங்கள் பரந்த சாம்ராஜ்யத்தை நிர்வகித்தனர். நாயக்கர்கள் கலை மற்றும் இலக்கியத்தின் சிறந்த ஆதரவாளர்களாக இருந்தனர். 1676 ஆம் ஆண்டில், இப்பகுதியில் மராட்டிய ஆட்சி நிறுவப்பட்டது. மேலும் மராட்டிய ஆட்சியாளர்கள் கலை மற்றும் கலைஞர்களின் வளர்ச்சியை ஊக்குவித்தனர். இந்த நேரத்தில்தான், தஞ்சை ஓவியம் உண்மையிலேயே செழித்து வளர்ந்து இன்று நாம் அதை அங்கீகரிக்கும் வடிவத்திலும் பாணியிலும் வளர்ந்தது.

தற்போதுள்ள நிலை:

இன்றும் தஞ்சை ஓவியங்கள் பரந்த ஈர்ப்பைக் கொண்டுள்ளன. சமீப காலங்களில், அவை பரவலாக வணிகமயமாக்கப்பட்டுள்ளன. மேலும் தெரு சந்தைகளில் கூட விற்கப்படுகின்றன. கலைவடிவம் காலத்தின் சோதனையாக நின்று தொடர்ந்து பிரபலமடைந்து வந்தாலும், தரத்தில் பொதுவான சரிவு பல கலை ஆர்வலர்களை வருத்தமடையச் செய்கிறது. இருப்பினும், தஞ்சை ஓவியத்தின் சாரத்தை உருவாக்கும் அனைத்து வளமான, பாரம்பரிய மற்றும் கலைக் கூறுகளைத் தக்க வைத்துக் கொண்டு, கலைவடிவம் தொடர்ந்து செழிக்க வேண்டும் என்பதற்காக பயிலரங்குகள் மற்றும் பயிற்சி முகாம்கள் நடத்தப்படுவது மகிழ்ச்சி அளிக்கிறது.

Fig 5.6: Tamil Information page

Artists

<p>artist : admin</p> <p>total posts : 1</p> <p>posts likes : 1</p> <p>posts comments : 1</p> <p style="text-align: center; background-color: #4a7ebb; color: white; padding: 5px; margin-top: 10px;">View Posts</p>	<p>artist : dancer</p> <p>total posts : 1</p> <p>posts likes : 1</p> <p>posts comments : 0</p> <p style="text-align: center; background-color: #4a7ebb; color: white; padding: 5px; margin-top: 10px;">View Posts</p>	<p>artist : artist</p> <p>total posts : 0</p> <p>posts likes : 0</p> <p>posts comments : 0</p> <p style="text-align: center; background-color: #4a7ebb; color: white; padding: 5px; margin-top: 10px;">View Posts</p>
<p>artist : chef</p> <p>total posts : 0</p> <p>posts likes : 0</p> <p>posts comments : 0</p> <p style="text-align: center; background-color: #4a7ebb; color: white; padding: 5px; margin-top: 10px;">View Posts</p>		

Fig 5.7: List of artists

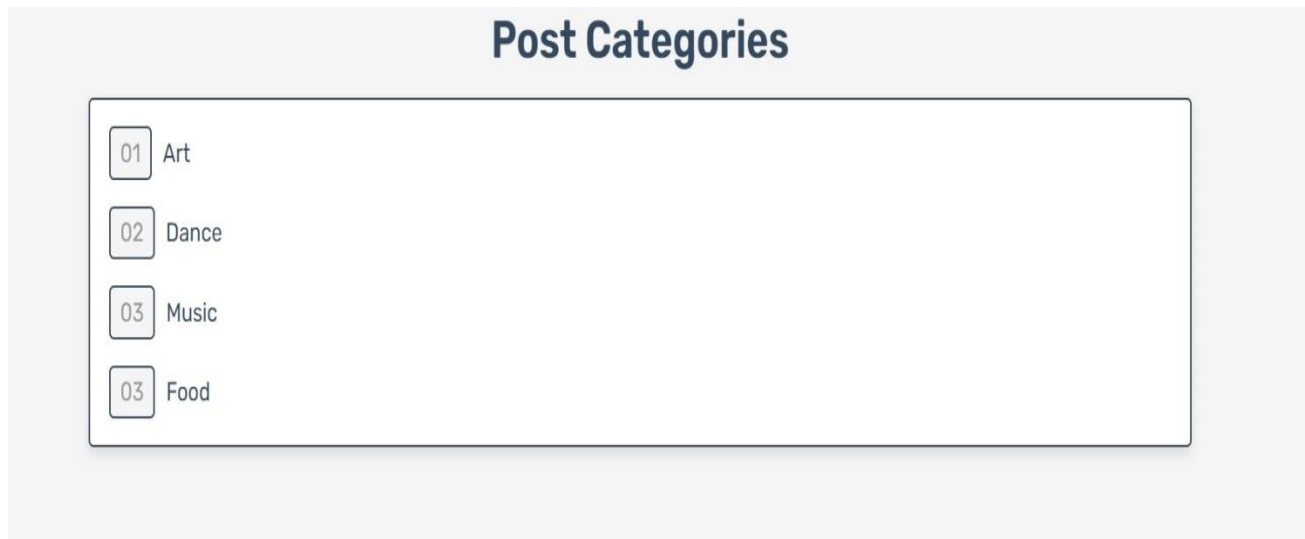


Fig 5.8: Post Categories

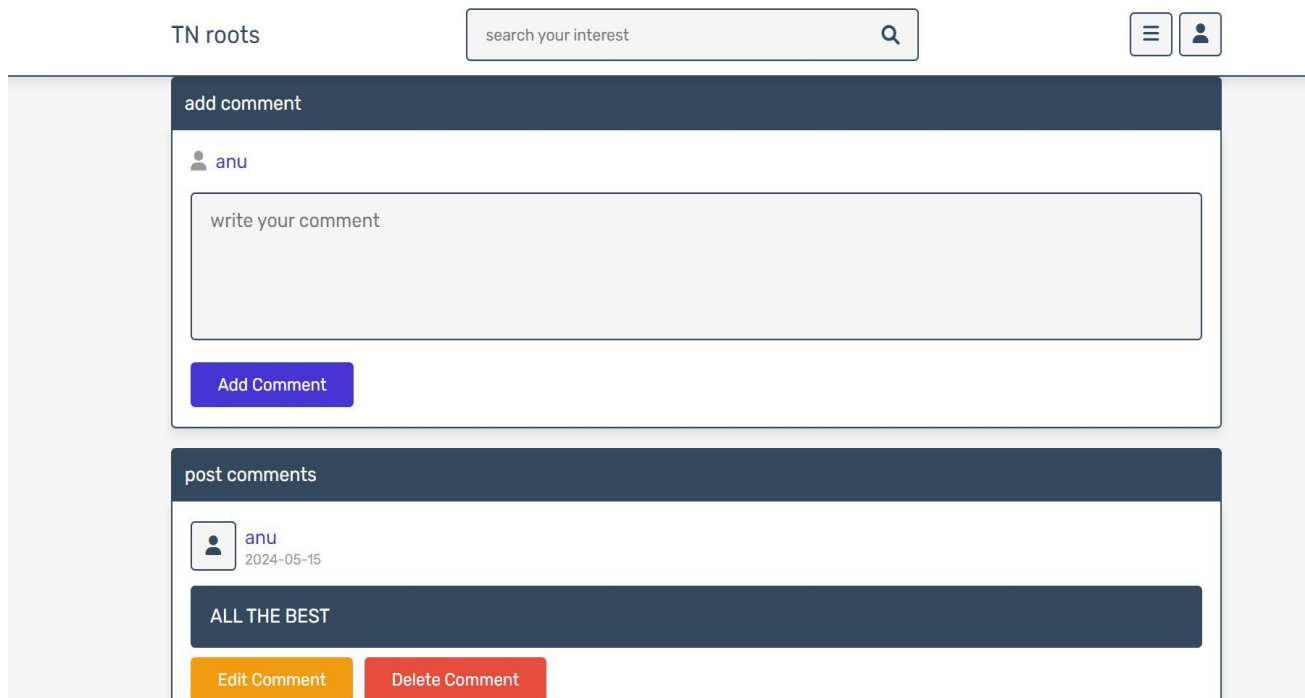


Fig 5.9: Post Likes and comments

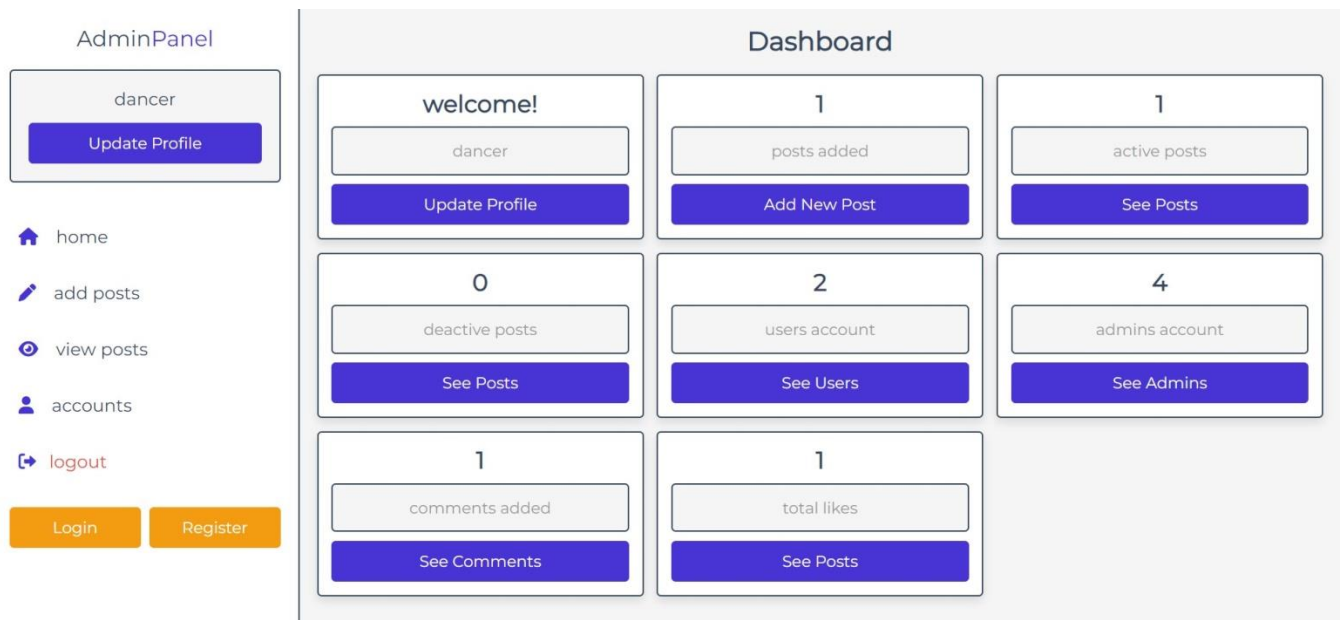


Fig 5.10: Admin panel

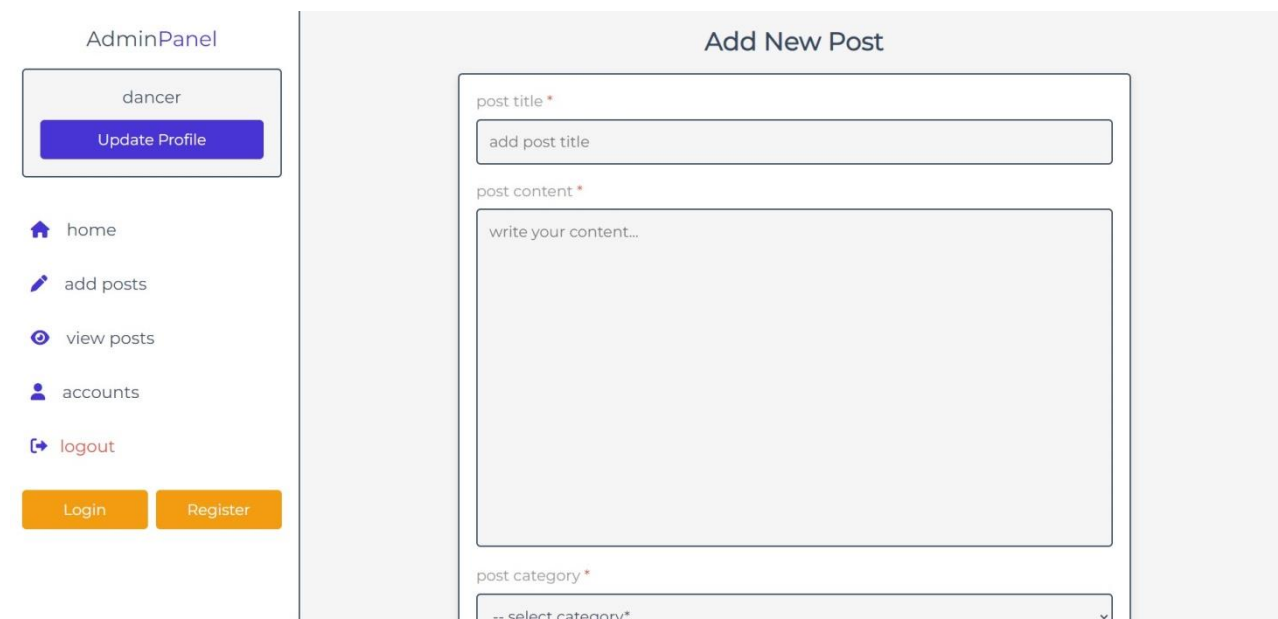


Fig 5.11: Add post

Admins Account

register new admin

Register

admin id : 2
username : dancer
total posts : 1

Update Delete

admin id : 1
username : admin
total posts : 1

admin id : 3
username : artist
total posts : 0

admin id : 4
username : chef
total posts : 0

Fig 5.12: Admin accounts

5.2 RESULT

Upon completion of the web platform development process, users will have access to a comprehensive and engaging platform dedicated to preserving and promoting Tamil Nadu's traditional culture. Through secure user authentication, individuals can register, log in, and explore authenticated content and features, ensuring a personalized and secure user experience. The admin panel empowers administrators with privileged access to efficiently manage user accounts, content, and platform settings, streamlining administrative tasks and ensuring effective platform governance. Users can create and customize profiles through the user profile module, managing personal information and account settings to tailor their platform experience according to individual preferences and requirements. Seamless content management and organization are facilitated through the content management module, which streamlines content creation, editing, and deletion processes for articles, multimedia resources, and user-generated content. E-commerce integration enables users to browse, select, and purchase traditional artifacts and culinary products directly through the platform interface, enhancing user convenience and accessibility to cultural products. Additionally, the event booking module simplifies event scheduling and management, allowing users to effortlessly schedule appointments for cultural events, performances, workshops, and culinary experiences, fostering user engagement and participation in cultural activities. Features such as liking, commenting, sharing, and following promote user interaction and participation, fostering a sense of community and collaboration among platform users. Furthermore, robust security measures and privacy safeguards ensure platform integrity and trustworthiness, protecting user information and maintaining platform security and compliance with data.

CHAPTER 6

CONCLUSION AND FUTURE ENHANCEMENT

6.1 CONCLUSION

In conclusion, the development of the web platform dedicated to preserving Tamil Nadu's traditional culture marks a significant milestone in the efforts to safeguard and promote the region's rich heritage. Through secure user authentication, streamlined content management, and robust e-commerce integration, the platform offers users a seamless and immersive experience in exploring and engaging with Tamil Nadu's cultural treasures. The provision of comprehensive educational resources further enhances user understanding and appreciation of the diverse aspects of Tamil Nadu's traditional culture.

Additionally, features promoting user interaction and participation foster a vibrant online community, united in their passion for preserving and celebrating Tamil Nadu's cultural heritage. The platform's commitment to continuous improvement ensures that it remains responsive to evolving user needs and preferences, maintaining its relevance and impact in the long term. By providing a digital sanctuary for cultural preservation and exploration, the platform not only connects users with the past but also inspires future generations to cherish and perpetuate Tamil Nadu's timeless legacy.

As we embark on this journey of cultural preservation, let us embrace tradition and innovation hand in hand, ensuring that Tamil Nadu's cultural heritage continues to thrive and resonate with audiences worldwide for generations.

FUTURE ENHANCEMENT

Future enhancements for the web platform dedicated to preserving Tamil Nadu's traditional culture will focus on further enriching user experience, expanding content offerings, and fostering community engagement. One potential enhancement could involve the integration of immersive technologies such as virtual reality (VR) and augmented reality (AR) to provide users with immersive experiences, allowing them to virtually explore historical sites, cultural landmarks, and traditional performances.

Additionally, expanding the platform's content repository to include more diverse and in-depth coverage of Tamil Nadu's traditional art forms, cuisine, music, and dance will provide users with a deeper understanding and appreciation of the region's cultural heritage. Furthermore, enhancing community engagement features such as discussion forums, live streaming events, and collaborative projects will foster greater interaction and collaboration among platform users, enabling them to share insights, exchange ideas, and participate in cultural initiatives together. Implementing advanced analytics and machine learning algorithms will enable the platform to personalize content recommendations, improve user engagement, and provide valuable insights into user behavior and preferences.

Overall, these future enhancements aim to elevate the platform into a dynamic and inclusive digital ecosystem, where users can not only explore and celebrate Tamil Nadu's traditional culture but also actively contribute to its preservation and promotion in innovative and meaningful ways.

APPENDIX

SOURCE CODE:

```
# home.php
<?php

include 'components/connect.php';

session_start();

if(isset($_SESSION['user_id'])){
    $user_id = $_SESSION['user_id'];
}else{
    $user_id = "";
};

include 'components/like_post.php';

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>home page</title>
```

```

<!-- font awesome cdn link -->
<link      rel="stylesheet"      href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.1.1/css/all.min.css">

<link rel="stylesheet" href="css/style.css">

</head>
<body>

<?php include 'components/user_header.php'; ?>

<section class="home-grid">

    <div class="box-container">

        <div class="box">
            <?php
                $select_profile = $conn->prepare("SELECT * FROM `users` WHERE id =
?");
                $select_profile->execute([$user_id]);
                if($select_profile->rowCount() > 0){
                    $fetch_profile = $select_profile->fetch(PDO::FETCH_ASSOC);
                    $count_user_comments    =    $conn->prepare("SELECT      *      FROM
`comments` WHERE user_id = ?");
                    $count_user_comments->execute([$user_id]);
                    $total_user_comments = $count_user_comments->rowCount();
                    $count_user_likes = $conn->prepare("SELECT * FROM `likes` WHERE
user_id = ?");

```

```

        $count_user_likes->execute([$user_id]);
        $total_user_likes = $count_user_likes->rowCount();
    ?>
    <p> welcome <span><?= $fetch_profile['name']; ?></span></p>
    <p>total comments : <span><?= $total_user_comments; ?></span></p>
    <p>posts liked : <span><?= $total_user_likes; ?></span></p>
    <a href="update.php" class="btn">update profile</a>
    <div class="flex-btn">
        <a href="user_likes.php" class="option-btn">likes</a>
        <a href="user_comments.php" class="option-btn">comments</a>
    </div>
    <?php
        }else{
    ?>
    <p class="name">login or register!</p>
    <div class="flex-btn">
        <a href="login.php" class="option-btn">login</a>
        <a href="register.php" class="option-btn">register</a>
    </div>
    <?php
        }
    ?>
</div>

<div class="box">
    <p>categories</p>
    <div class="flex-box">
        <a href="category.php?category=art" class="links">Art</a>

```

Dance

Music

Food

</div>

</div>

<div class="box">

<p>artists</p>

<div class="flex-box">

<?php

```
$select_authors = $conn->prepare("SELECT DISTINCT name FROM
`admin` LIMIT 10");
```

```
$select_authors->execute();
```

```
if($select_authors->rowCount() > 0){
```

```
    while($fetch_authors = $select_authors->fetch(PDO::FETCH_ASSOC)){
```

```
        ?>
```

```
        <a href="author_posts.php?author=<?= $fetch_authors['name']; ?>"
class="links"><?= $fetch_authors['name']; ?></a>
```

```
<?php
```

```
}
```

```
}else{
```

```
    echo '<p class="empty">no posts added yet!</p>';
```

```
}
```

```
?>
```

```
<a href="authors.php" class="btn">view all</a>
```

</div>

</div>

</div>

</section>

<section class="posts-container">

<h1 class="heading">latest posts</h1>

<div class="box-container">

<?php

```
$select_posts = $conn->prepare("SELECT * FROM `posts` WHERE status =  
? LIMIT 6 ");
```

```
$select_posts->execute(['active']);
```

```
if($select_posts->rowCount() > 0){
```

```
    while($fetch_posts = $select_posts->fetch(PDO::FETCH_ASSOC)){
```

```
        $post_id = $fetch_posts['id'];
```

```
        $count_post_comments = $conn->prepare("SELECT * FROM  
`comments` WHERE post_id = ?");
```

```
        $count_post_comments->execute([$post_id]);
```

```
        $total_post_comments = $count_post_comments->rowCount();
```

```
        $count_post_likes = $conn->prepare("SELECT * FROM `likes` WHERE  
post_id = ?");
```

```
        $count_post_likes->execute([$post_id]);
```

```

$total_post_likes = $count_post_likes->rowCount();

$confirm_likes = $conn->prepare("SELECT * FROM `likes` WHERE
user_id = ? AND post_id = ?");

$confirm_likes->execute([$user_id, $post_id]);

?>

<form class="box" method="post">

    <input type="hidden" name="post_id" value="<?= $post_id; ?>">

    <input type="hidden" name="admin_id" value="<?= $fetch_posts['admin_id'];
?>">

    <div class="post-admin">

        <i class="fas fa-user"></i>

        <div>

            <a href="author_posts.php?author=<?= $fetch_posts['name']; ?>"><?=
$fetch_posts['name']; ?></a>

            <div><?= $fetch_posts['date']; ?></div>

        </div>

    </div>

    <?php
        if($fetch_posts['image'] != ""){
            ?>

            <?php
                }
            ?>

            <div class="post-title"><?= $fetch_posts['title']; ?></div>

```



```

<div class="post-content content-150"><?= $fetch_posts['content']; ?></div>
<a href="view_post.php?post_id=<?= $post_id; ?>" class="inline-btn">read
more</a>
<a href="category.php?category=<?= $fetch_posts['category']; ?>"
class="post-cat"> <i class="fas fa-tag"></i> <span><?= $fetch_posts['category'];
?></span></a>
<div class="icons">
<a href="view_post.php?post_id=<?= $post_id; ?>"><i class="fas fa-
comment"></i><span><?= $total_post_comments; ?></span></a>
<button type="submit" name="like_post"><i class="fas fa-heart"
style="<?php if($confirm_likes->rowCount() > 0){ echo 'color:var(--red);'; } ?>
"></i><span><?= $total_post_likes; ?></span></button>
</div>

</form>
<?php
}
}else{
echo '<p class="empty">no posts added yet!</p>';
}
?>
</div>

<div class="more-btn" style="text-align: center; margin-top: 1rem;">
<a href="posts.php" class="inline-btn">view all posts</a>
</div>

</section>

```

```
<script src="js/script.js"></script>
```

```
</body>
```

```
</html>
```

```
#connectivity
```

```
<?php
```

```
$db_name = 'mysql:host=localhost;dbname=blog_db';
```

```
$user_name = 'root';
```

```
$user_password = '';
```

```
$conn = new PDO($db_name, $user_name, $user_password);
```

```
?>
```

```
# style.css
```

```
html{
```

```
font-size: 62.5%;
```

```
overflow-x: hidden;
```

```
scroll-behavior: smooth;
```

```
scroll-padding-top: 7rem;
```

```
}
```

```
body{
```

```
background-color: var(--light-bg);
```

```
padding-bottom: 7rem;
```

```
}
```

```
section{
```

```
padding: 2rem;
```

```
margin: 0 auto;
```

```
max-width: 1200px;
```

```
}
```

```
.btn,  
.delete-btn,  
.option-btn,  
.inline-btn,  
.inline-option-btn,  
.inline-delete-btn{  
  margin-top: 1rem;  
  border-radius: .5rem;  
  cursor: pointer;  
  font-size: 1.8rem;  
  color:var(--white);  
  padding:1.2rem 3rem;  
  text-transform: capitalize;  
  text-align: center;  
}
```

```
.inline-btn,  
.inline-option-btn,  
.inline-delete-btn{  
  display: inline-block;  
  margin-right: 1rem;  
}
```

```
.btn,  
.delete-btn,  
.option-btn{  
  display: block;  
  width: 100%;  
}
```

```
.inline-btn,  
.btn{  
  background-color: var(--main-color);  
}
```

```
.inline-delete-btn,  
.delete-btn{  
  background-color: var(--red);  
}
```

```
.inline-option-btn,  
.option-btn{  
    background-color: var(--orange);  
}
```

#admindashboard.php

```
<?php
```

```
include '../components/connect.php';
```

```
session_start();
```

```
$admin_id = $_SESSION['admin_id'];
```

```
if(!isset($admin_id)){  
    header('location:admin_login.php');  
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>dashboard</title>
```

```
<!-- font awesome cdn link -->
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/6.1.1/css/all.min.css">
```

```
<!-- custom css file link -->
```

```
<link rel="stylesheet" href="../css/admin_style.css">
```

```
</head>
```

```
<body>
```

```

<?php include '../components/admin_header.php' ?>

<!-- admin dashboard section starts -->

<section class="dashboard">

    <h1 class="heading">dashboard</h1>

    <div class="box-container">

        <div class="box">
            <h3>welcome!</h3>
            <p><?= $fetch_profile['name']; ?></p>
            <a href="update_profile.php" class="btn">update profile</a>
        </div>

        <div class="box">
            <?php
                $select_posts = $conn->prepare("SELECT * FROM `posts` WHERE admin_id =
?");
                $select_posts->execute([$admin_id]);
                $numbers_of_posts = $select_posts->rowCount();
            ?>
            <h3><?= $numbers_of_posts; ?></h3>
            <p>posts added</p>
            <a href="add_posts.php" class="btn">add new post</a>
        </div>

        <div class="box">
            <?php
                $select_active_posts = $conn->prepare("SELECT * FROM `posts` WHERE
admin_id = ? AND status = ?");
                $select_active_posts->execute([$admin_id, 'active']);
                $numbers_of_active_posts = $select_active_posts->rowCount();
            ?>
            <h3><?= $numbers_of_active_posts; ?></h3>
            <p>active posts</p>
            <a href="view_posts.php" class="btn">see posts</a>
        </div>
    </div>

```

```

<div class="box">
    <?php
        $select_deactive_posts = $conn->prepare("SELECT * FROM `posts` WHERE
admin_id = ? AND status = ?");
        $select_deactive_posts->execute([$admin_id, 'deactive']);
        $numbers_of_deactive_posts = $select_deactive_posts->rowCount();
    ?>
    <h3><?= $numbers_of_deactive_posts; ?></h3>
    <p>deactive posts</p>
    <a href="view_posts.php" class="btn">see posts</a>
</div>

```

```

<div class="box">
    <?php
        $select_users = $conn->prepare("SELECT * FROM `users`");
        $select_users->execute();
        $numbers_of_users = $select_users->rowCount();
    ?>
    <h3><?= $numbers_of_users; ?></h3>
    <p>users account</p>
    <a href="users_accounts.php" class="btn">see users</a>
</div>

```

```

<div class="box">
    <?php
        $select_admins = $conn->prepare("SELECT * FROM `admin`");
        $select_admins->execute();
        $numbers_of_admins = $select_admins->rowCount();
    ?>
    <h3><?= $numbers_of_admins; ?></h3>
    <p>admins account</p>
    <a href="admin_accounts.php" class="btn">see admins</a>
</div>

```

```

<div class="box">
    <?php
        $select_comments = $conn->prepare("SELECT * FROM `comments` WHERE
admin_id = ?");
        $select_comments->execute([$admin_id]);
        $select_comments->execute();
    ?>

```

```

        $numbers_of_comments = $select_comments->rowCount();
    ?>
    <h3><?= $numbers_of_comments; ?></h3>
    <p>comments added</p>
    <a href="comments.php" class="btn">see comments</a>
</div>

<div class="box">
    <?php
        $select_likes = $conn->prepare("SELECT * FROM `likes` WHERE admin_id =
    ?");
        $select_likes->execute([$admin_id]);
        $select_likes->execute();
        $numbers_of_likes = $select_likes->rowCount();
    ?>
    <h3><?= $numbers_of_likes; ?></h3>
    <p>total likes</p>
    <a href="view_posts.php" class="btn">see posts</a>
</div>

</div>

</section>

<!-- admin dashboard section ends -->
<!-- custom js file link -->
<script src="../js/admin_script.js"></script>
</body>
</html>

```

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