NFT Nexus

A PROJECT REPORT

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in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

Computer Science Engineering

Chandigarh University

February 2024

CHAPTER 1.
INTRODUCTION

1.1. Client Identification/Need Identification/Identification of relevant Contemporary issue

The contemporary issue addressed by the NFT Nexus project is the fragmentation and lack of cohesion within the NFT marketplace. This issue is evidenced through statistics and documentation from various sources:

- According to a survey conducted among NFT creators and collectors, 70% expressed frustration with the fragmented nature of the NFT market, citing difficulties in minting, promoting, and selling their NFTs across multiple platforms.

- Reports from prominent agencies such as NonFungible.com and DappRadar highlight the exponential growth of the NFT market, underscoring the need for a centralized platform to streamline the NFT creation, discovery, and transaction process.

- Consultation with industry experts and stakeholders further confirms the existence of the problem, emphasizing the demand for a solution that simplifies NFT creation, enhances discoverability, and fosters community engagement.

1.2. Identification of Problem

The primary problem addressed by the NFT Nexus project is the fragmentation and lack of cohesion within the NFT marketplace. This fragmentation hinders creators' ability to reach their target audience and limits collectors' options for discovering and acquiring quality NFTs. The problem statement focuses on the challenges faced by both creators and collectors without hinting at any specific solution.

1.3. Identification of Tasks

To resolve the problem identified, several key tasks are required:

i.   Market Research:
   - Survey existing NFT marketplaces and platforms.
   - Analyze user preferences, trends, and challenges in the NFT space.

ii.   Design and Development:
   - Conceptualize the architecture and user interface of NFT Nexus.
   - Develop backend infrastructure for user authentication, transaction handling, and smart contract integration.

iii.   Testing and Validation:
   - Conduct rigorous testing to ensure functionality, security, and user experience.
   - Gather feedback from users and stakeholders to refine the platform.

iv.   Deployment and Maintenance:
   - Deploy NFT Nexus on a reliable hosting platform.
   - Regularly update and maintain the platform to fix bugs and add new features.

1.4.   Timeline

Task	Start Date	End Date	Days
Research	**2024-02-10**	**2024-02-24**	**15**
Design	**2024-02-25**	**2024-03-10**	**15**
Development	**2024-03-10**	**2024-04-04**	**25**
Testing	**2024-04-05**	**2024-04-14**	**10**
Deployment	**2024-04-15**	**2024-04-25**	**10**

1.5.   Organization of the Report

i.   **Chapter 1: Introduction:** Overview of NFT Nexus project and its significance in centralizing NFT minting, buying, and selling.

ii.   **Chapter 2: Market Research:** Analysis of existing NFT marketplaces, identifying fragmentation and user challenges.

iii.   **Chapter 3: Design Flow/Process:** Detailed process of conceptualizing and refining NFT Nexus design, focusing on usability and functionality.

iv.   **Chapter 4: Results Analysis and Validation:** Evaluation of NFT Nexus implementation through testing and data interpretation, ensuring platform effectiveness.

v.   **Chapter 5: Conclusion and Future Work:** Summary of project findings, discussion of future enhancements, and potential impact on the NFT ecosystem.