CERTIFICATE

Certified that **Govind Gupta (2300290140065), Harsh Sharma (2300290140069), Kanchan Sagar (2300290140084), Kartikey Raghuvanshi (2300290140086)** have carried out the project work **CrowdFund** (**Mini-Project-KCA353**) for **Master of Computer Application** from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/ herself, and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Mr. Rabi Narayan Panda
Associate Professor and Addl. HOD
Department of Computer Applications
KIET Group of Institutions, Ghaziabad

Dr. Arun Kumar Tripathi
Dean CA
Department of Computer Applications
KIET Group of Institutions, Ghaziabad

Crowdfund

Govind Gupta, Harsh Sharma, Kanchan Sagar, Kartikey Raghuvanshi

ABSTRACT

Crowdfunding has emerged as a revolutionary method for raising capital, allowing individuals and startups to gain financial support from a global audience. This project proposes the development of a decentralized crowdfunding platform utilizing Web3 and blockchain technology, enabling individuals to share their innovative ideas while attracting investors who can support these projects using cryptocurrency. The platform will be built with Solidity, a smart contract programming language, which ensures a secure, transparent, and automated environment for handling funds and agreements between project creators and investors.

The decentralized nature of the platform leverages the power of blockchain technology to eliminate intermediaries, thus reducing costs and increasing the trust factor. Every transaction will be recorded on the blockchain, providing real-time transparency and immutability, which is essential for maintaining investor confidence. The use of smart contracts will further automate the entire process—from initiating a project to collecting investments and distributing returns—based on predefined conditions agreed upon by both parties. This automation not only enhances security but also removes the potential for fraud or disputes.

The platform will primarily operate on a Web3 interface, providing a seamless and user-friendly experience for both project creators and investors. Users can connect their digital wallets to the platform to contribute cryptocurrencies such as Ethereum or other supported tokens. By integrating blockchain and Web3 technologies, the platform fosters a trustless environment where participants can engage without needing to rely on centralized authorities or third-party services.

This solution addresses the inefficiencies of traditional crowdfunding models by offering a decentralized, secure, and accessible platform for global participation. Through this innovation, we aim to empower individuals with promising ideas and investors seeking cutting-edge opportunities, thereby fostering an ecosystem of creativity and financial growth.

ACKNOWLEDGEMENTS

Success in life is never attained single-handedly. My deepest gratitude goes to my project supervisor, **Mr. Rabi Narayan Panda** for his/ her guidance, help, and encouragement throughout my project work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to Dr. Arun Kumar Tripathi, Professor and Head, Department of Computer Applications, for his insightful comments and administrative help on various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me with moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Govind Gupta

Harsh Sharma

Kanchan Sagar

Kartikey Raghuvanshi

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES