**WELFARE FUNDING PROJECT**

## MINI PROJECT – I SYNOPSIS



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# Acknowledgement

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. We owe special debt of gratitude to MR, Abhishek Kumar Technical Trainer , for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work.

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## ABSTRACT

The rise of Blockchain technology enables us to create secure, trusted and decentralized apps. Crowdfunding is an online money raising strategy that uses small amounts of capital from a large number of individuals which finance a new business project. Crowdfunding makes use of the easy accessibility of vast networks of people through social media and crowdfunding websites to bring investors and entrepreneurs together. The main problem with the current websites is that they don’t provide the Contributor Assured Policy and they don’t have control over the money they donated. So, by using blockchain we can provide a safe, secure and transparent way for crowdfunding. In this work, we have provided interactive forms for campaign creation, contribution and request approval through which both campaign creators and contributors can easily create and pool the campaigns.

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# INTRODUCTION

The rise of Blockchain technology enables us to create secure, trusted and decentralized apps. Crowdfunding is an online money raising strategy that uses small amounts of capital from a large number of individuals which finance a new business project. Crowdfunding makes use of the easy accessibility of vast networks of people through social media and crowdfunding websites to bring investors and entrepreneurs together. The main problem with the current websites is that they don’t provide the Contributor Assured Policy and they don’t have control over the money they donated. So, by using blockchain we can provide a safe, secure and transparent way for crowdfunding. In this work, we have provided interactive forms for campaign creation, contribution and request approval through which both campaign creators and contributors can easily create and pool the campaigns.

## SOFTWARE AND HARDWARE REQUIREMENTS

* SOLIDITY
* Ethereum
* vscode
* Window 10

**PROJECT DESCRIPTION**

Crowdfunding platforms are websites that enable interaction between fundraisers and the crowd. Financial pledges can be made and collected through the crowdfunding platform.

Fundraisers are usually charged a fee by crowdfunding platforms if the fundraising campaign has been successful. In return, **crowdfunding platforms are expected to provide a secure and easy to use service.**

Many platforms operate an all-or-nothing funding model. This means that if you reach your target you get the money and if you don’t, everybody gets their money back – no hard feelings and no financial loss.

There are a number of crowdfunding types which are explained below. This guide provides unbiased advice to help you understand the three most common types of crowdfunding used by profit-making SMEs and startups: **peer-to-peer, equity and rewards crowdfunding.**

## Websites:

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## www.solidite.org.com

[www.google.com](http://www.google.com)

[www.blockchain.com](http://www.blockchain.com)

**WORKING**

* The business owner calls the contract to launch a campaign using several justifications, including the number of tokens that must be raised for the campaign, its start timestamp, and its end timestamp.
* As long as the campaign has not already begun, the business owner may cancel it at any time.
* By using the "pledge" function and entering the "id" of the campaign along with the number of tokens to be pledged, users can donate their tokens to a particular campaign.
* As long as the campaign is still active, they can also withdraw their previously pledged tokens.
* After the campaign is over, one of the two possible results is -

A campaign is considered successful when it raises the required number of tokens and meets the business owner's minimum requirements. In this scenario, the business owner can call the "claim" function to withdraw all the tokens.

If not enough tokens are pledged, which is the other scenario where a campaign fails, pledgers can withdraw their tokens from the contract by using the "withdraw" function.

## IMPLEMENTATION

Solidity is an **object-oriented programming language** created specifically by the Ethereum Network team for constructing and designing smart contracts on Blockchain platforms. It's used to create smart contracts that implement business logic and generate a chain of transaction records in the blockchain system.

## REFERENCES;

## Websites:

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[www.google.com](http://www.google.com)

[www.remix.org.com](http://www.remix.org.com)

[www.solidite.org.com](http://www.solidite.org.com)

[www.ethereum.com](http://www.ethereum.com)

## Faculty Guidelines:

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