



National University of Computer and Emerging Sciences, Lahore Campus

Blockchain and Cryptocurrency Project

Project Title: Crowdfunding Platform

Group Members:

1. Mansoor Tariq 20L-1369
2. Sana Ahmed 20L-1376
3. Waiza Zainab 20L-1253

Project Description:

The crowdfunding platform would be an open-source platform addressing financial challenges. Bridging the gap between donors and fundraisers, it would provide a user-friendly interface for secure donations. This platform would stand out by offering a fee-free approach, making it an ideal non-profit solution. Every web-based application is centralized, meaning that every action we take on the platform is controlled by a single company's server. We suggest a decentralized application powered by the Ethereum blockchain, in which all campaign, contribution, withdrawal, and fund information is stored on a public blockchain network that is decentralized and open to all users. This prevents the data from being kept in a single, centralized server location and means that the money and transactions are visible to and stored at every node on the blockchain. Hence not letting the money get into the hands of anyone and eliminating every possibility of it getting misused.

Project Features:

1. Create Campaign
2. Contributing to a Campaign

3. Withdrawal of Funds

Distribution of Project:

Mansoor Tariq:

Feature: Create Campaign

1. Responsible for implementing the functionality that allows users to create a crowdfunding campaign on the decentralized application.
2. Develop the front-end form for creating a campaign.
3. Implement the necessary smart contract functions related to campaign creation.

Sana Ahmed:

Feature: Contributing to a Campaign

1. Responsible for implementing the functionality that enables users to contribute funds to a campaign.
2. Develop the user interface for contributing to a campaign.
3. Integrate the necessary smart contract functions for handling contributions.

Waiza Zainab:

Feature: Withdrawal of Funds

1. Responsible for implementing the functionality that allows the creator of a campaign to propose a withdrawal request.
2. Develop the user interface for creating and managing withdrawal requests.
3. Implement the smart contract logic for withdrawal requests and the approval process.

Collaboration:

1. Ensure proper integration and communication between the front end and the smart contract for each feature.
2. Collaborate on testing each feature and addressing any issues that may arise during the development process.
3. Document the code and update the project documentation as needed.