Counselling Code: VBIT
VIGNANA BHARATHI Institute of Technology
(A UGC Autonomous Institution, Approved by AICTE, Accredited by NBA and NAAC-A Grade, Affiliated to JNTUH)
Aushapur (V), Ghatkesar (M), Medchal Dist. – 501 301.

LABORATORY PROJECT-DevOps

TITLE: Block Chain Prediction Market
STUDENT NAMES: Kushal parihar, Ram Charan, Deekshith Reddy
ROLL NOs: 22P61A05D1, 22P61A05D4, 22P61A05I6

ABSTRACT/DESCRIPTION:

The proposed Blockchain-Based Prediction Market leverages Ethereum smart contracts to deliver reliable, transparent, and decentralized prediction services. Users can create prediction events, set deadlines, and enable participants to contribute their insights by making claims. By utilizing blockchain technology, the system ensures trust, immutability, and independence from centralized authorities, enhancing transparency and reliability.

The project integrates Solidity for smart contract development and React.js for building an intuitive and interactive frontend interface. Interaction between the frontend and blockchain is facilitated using Ethers.js/Web3.js, while tools like Truffle and Ganache streamline local blockchain development and testing. The smart contract features include event creation, participant registration, bet placement, outcome resolution, and prize distribution.

This platform has broad applications in finance, politics, sports, and market forecasting, offering a fair and transparent environment that minimizes the risk of manipulation. Employing game theory principles, the system ensures accurate and data-driven predictions, creating a robust engine for future event forecasting powered by blockchain

Collaborators : 22P61A05D1, 22P61A05D4, 22P61A05I6

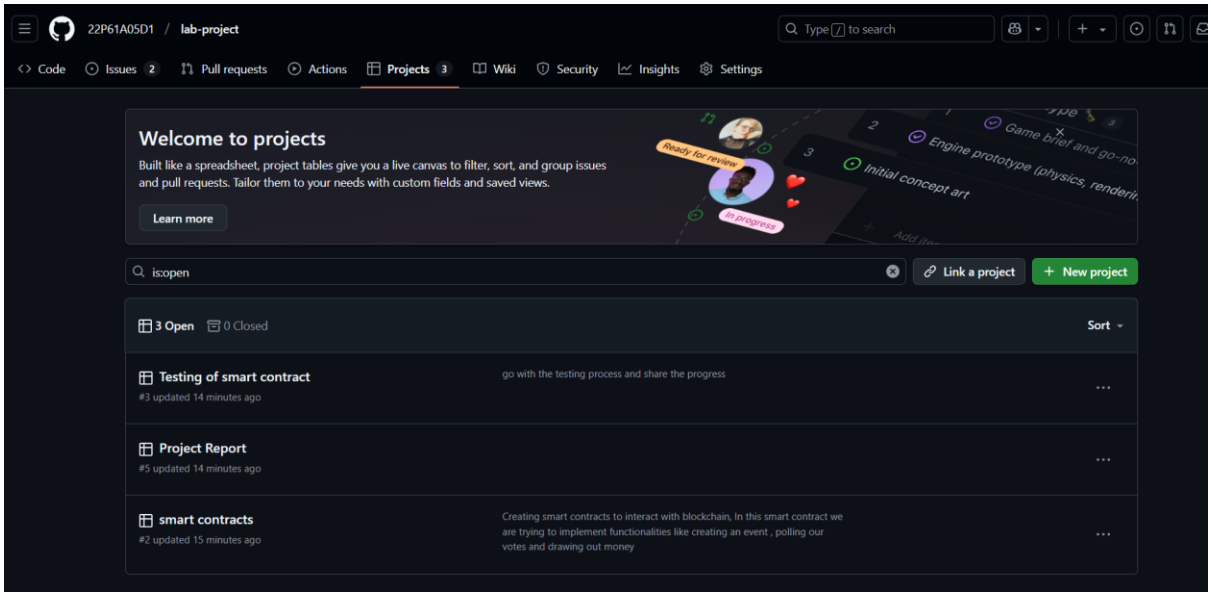
Task Assigned :

- Project Report (22P61A05D1)
- Smart Contract Creation(22P61A05D4)
- Testing of Smart Contracts(22P61A05I6)

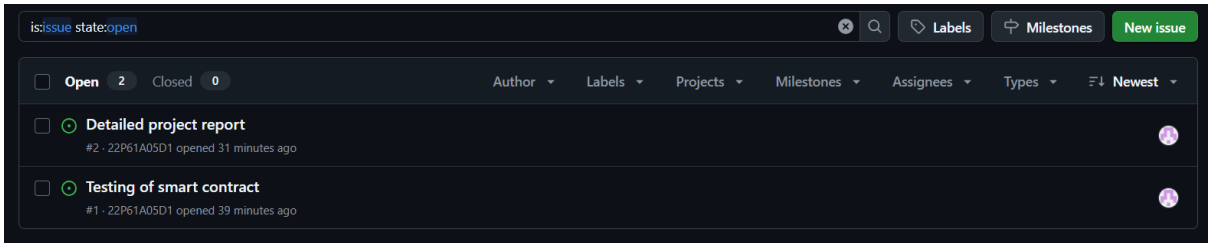
Steps :

1. Login in to your git account
2. Create a repo and create a new project
3. Invite collaborators, assign them with the task
4. We can share our projects progress
5. Close the project after everything is addressed

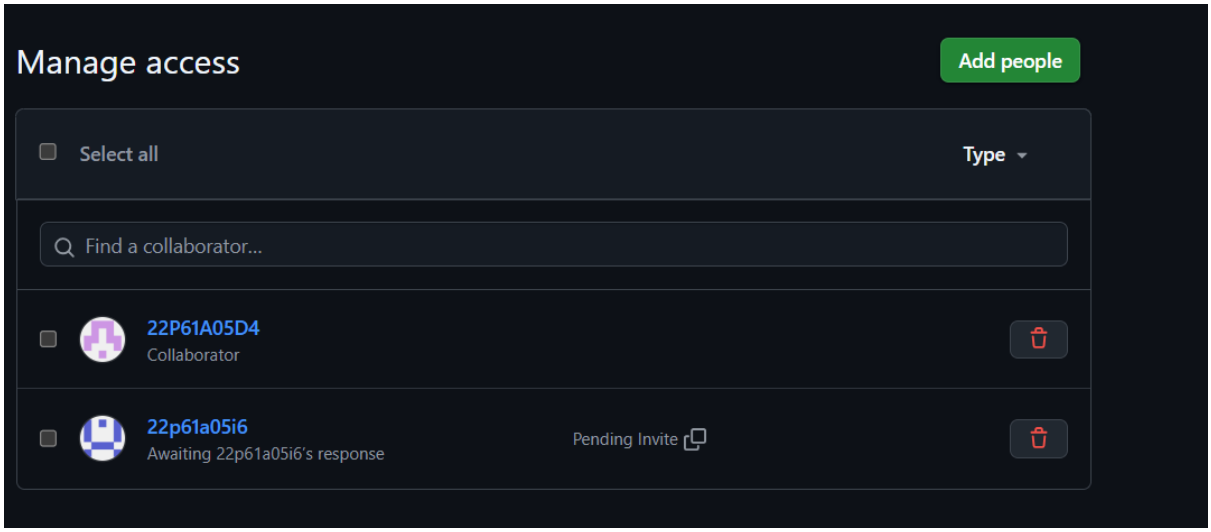
OUTPUTS:



List of project in the repo



List of all the issues, can created issues from here



We can add collaborator from add people option , they have to accept invitation to access repo