PROJ-611-T01 Adoption of Cloud Computing and Blockchain Technology in the Industry

**Prof. Debasish Chakroborti (Joy)**



**Proposal**

**Adoption of Cloud Computing and Blockchain Technologies in the Industry**

**Team Members:**

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**Project Title:**

**Secure File Storage and Sharing**

**The tasks we have accomplished until today.**

**Week 1: Planning**

The team established both platform objectives and functional requirements as well as accomplishment targets. The team established intermediate goals that will maintain our project direction.

The project development required us to create a plan by determining every task along with assigned deadlines while calculating a financial budget.

Our team brainstormed numerous technical and budget-related problems that we could potentially encounter.

We established team roles along with communication systems which would guarantee smooth collaboration between members.

**Assign Roles:**

**Kishan:** will focus on smart contracts development alongside blockchain system development. **Jay:** will concentrate on integrating decentralized storage as well as developing backend codes. **Dharmik:** will create the main user interface and improve its functionality.

**Week 2 and Ongoing: Research**

Our current exploration of technology has been dedicated to understanding blockchain platforms namely Ethereum alongside Hyperledger. We are studying tagged devices on IPFS network and Storj storage alongside AES-256 encryption and RSA.

Our team investigated File coin, Security Industry Association to understand their best features and weaknesses in the market. The evaluation enables us to improve our platform design.

Research and development investigation involves testing Truffle alongside React.js and Node.js development frameworks to identify the most suitable tools for our project implementation. The project feasibility test requires us to determine its practicality along with the necessary resource requirements.