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| Scope of the project | Trust Escrow is a secure and transparent platform designed to build trust between parties during online transactions. It ensures that funds are held safely in escrow and released only when both parties meet the agreed conditions. | | |
| Problem Statement | Online transactions often suffer from disputes, fraud, and lack of trust between transacting parties. Buyers may fear paying in advance and sellers may fear not receiving payment after delivery. There is no single easy-to-use platform that combines escrow handling, dispute resolution and transparent audit trails for small and medium peer-to-peer transactions. | | |
| Project Outcomes | <ul style="list-style-type: none"> • Build a secure escrow platform where funds are held in a trusted account until both parties confirm fulfillment of agreed conditions. • Implement role-based interfaces for buyers, sellers, and admins with clear workflows for creating agreements, uploading proofs, and requesting release of funds. • Provide clear transaction logs, receipts, and audit trails to increase transparency and reduce dispute time. • Optionally integrate blockchain smart contracts for tamper-proof escrow logic and on-chain settlement for higher-trust scenarios. | | |
| Technologies to be used | <ul style="list-style-type: none"> • Frontend: React.js, HTML, CSS, JavaScript • Backend: Node.js with Express.js and JWT (JSON Web Token) • Database: MongoDB • Blockchain: Solidity for creating smart contracts , Ethereum / Polygon network for blockchain-based escrow functionality and Web3.js for blockchain integration with frontend • Version Control & Deployment: GitHub, Render / Vercel | | |

I.K. Gujral Punjab Technical University, Kapurthala

Department of Computer Science Engineering

Bachelor of Technology



PROJECT - 2 SYNOPSIS

SUBMITTED TO:

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