Dr. Ambedkar Institute of Technology
Department of Computer Science & Engineering

Mini Project Information

Mini Project Batch-Id:	B20
Title of the Mini Project:	Decentralized NFT Minting and Marketplace Platform

Details of Project Members

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Abstract

This project, "NFT Minting and Marketplace Platform," aims to create a user-friendly platform for minting and trading Non-Fungible Tokens (NFTs), similar to OpenSea. Utilizing the Ethereum blockchain, the platform will support the creation of ERC-721 compliant NFTs and provide a marketplace for their exchange.

The backend, built with Node.js and Express, will handle blockchain interactions, while the frontend, developed with React.js, will offer a seamless user experience. IPFS will be used for decentralized storage of NFT metadata.

Key features include user authentication via MetaMask, secure NFT minting, detailed listings, and a marketplace for buying and selling NFTs. This project aims to enhance the digital ownership landscape by providing a secure and transparent environment for NFT creators and collectors.

Details of Guide

Name of the Guide	Designation	Signature of the Guide
Dr.SMITHA SHEKAR B	ASSOCIATE PROFESSOR	