

PROBLEM STATEMENT

DATE	26 OCTOBER 2023
TEAM ID	NM2023TMID01010
PROJECT NAME	Transparent Education Management System

Problem statement Definition

Problem Statement:

In today's digital age, the issuance and verification of academic certificates face challenges related to security, authenticity, and accessibility. Traditional methods of storing certificates are susceptible to fraud and loss. Moreover, the centralized nature of certificate storage systems can lead to single points of failure and privacy concerns. There is a need for a secure, decentralized, and tamper-proof system to store digital certificates while ensuring easy verification and accessibility for relevant stakeholders.

Problem Definition:

The challenge is to design a decentralized and distributed solution for storing digital certificates securely and efficiently. The system must leverage blockchain technology to create an immutable ledger of academic achievements. This ledger should be distributed across multiple nodes, ensuring that no single entity has control over the entire network. The solution must allow for the addition of new certificates and enable easy querying of certificate details from the blockchain.