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Online Blockchain Based Certificate Generation and Validation System

Dr Nagesh R[1], Mr. Rahul S[2], Mr. Chethan A[3], Ms. Yuktha Reddy P M[4], Mr. PrajwalV M[5]
Associate Professor, Department of Information Science and Engineering[1]
U.G. Students, Department of Information Science and Engineering[2,3,4,5]
S J C Institute of Technology, Chikballapur, India

Abstract: *At present a considerable amount of training courses are being held accompanied by the issuance of certificates. Unfortunately there is no proper means of verifying these digital certificates. To overcome this issue a new system must be implemented wherein customized digital certificates can be produced. In this system users can securely store their certificates in a digital locker while other organizations can validate them. This can be achieved through the use of open-source software and blockchain technology. The prevalence of counterfeit certificates in our society has become a significant and troublesome issue. It has now become a lucrative business driven by the demand for employment opportunities. As a result legitimate graduates with authentic credentials are often overlooked for job opportunities. To combat this problem various researchers have proposed a certificate authentication system that ensures tamper-proof and reliable management of digital certificates. Ultimately this will benefit both the issuers and recipients of these certificates.*

Keywords: Agriculture, weed detection, crop disease detection