

PROJECT REPORT ON
Threat Prevention & Vulnerability Analysis of Smart Contracts in Blockchain Networks



DEPARTMENT OF INFORMATION TECHNOLOGY
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CERTIFICATE

This is to certify that the project "**Threat Prevention & Vulnerability Analysis of Smart Contracts in Blockchain Networks**" being submitted by our team members in partial fulfillment for the award of the Degree of **Bachelor of Technology in Information Technology** to the **GURU GHASIDAS VISHWAVIDYALAYA** is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project have not been submitted to any other University or Institute for the award of any Degree or any Diploma.

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ABSTRACT

The abstract idea behind the project is to create Threat Prevention & Vulnerability Analysis of Smart Contracts in Blockchain Networks, Blockchain technology now relies heavily on smart contracts, which offer self-executing code for the exchange of goods and data. Smart contracts enable financial activities like payments and auctions on blockchain systems. Even if bugs are found, they cannot be changed. They are frequently used to automate the implementation of agreements so that all parties may be confident in the conclusion without the need for an intermediary. But because of their openness and how they interact with one another in the blockchain ecosystem, these contracts are vulnerable to security risks. Smart contract security research has advanced significantly in recent years. The research community of smart contract security has made a significant improvement recently. Researchers have identified a number of security flaws in smart contracts and have created frameworks for verification and static analysis to find them. This study attempts to identify the most critical software security issues that affect smart contracts. These are then handled utilizing a variety of methods and equipment common to the sector.