

# Project Presentation

## Authentication Using Zero Knowledge Proof

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# Problem Statement

Traditional authentication methods, such as passwords and biometrics, expose sensitive information, making them vulnerable to attacks.

Zero-Knowledge Proof (ZKP) offers a secure alternative by allowing a user to prove knowledge of a secret without revealing the secret itself.

This project aims to develop an authentication system using ZKP, ensuring that no sensitive data is transmitted during the authentication process.

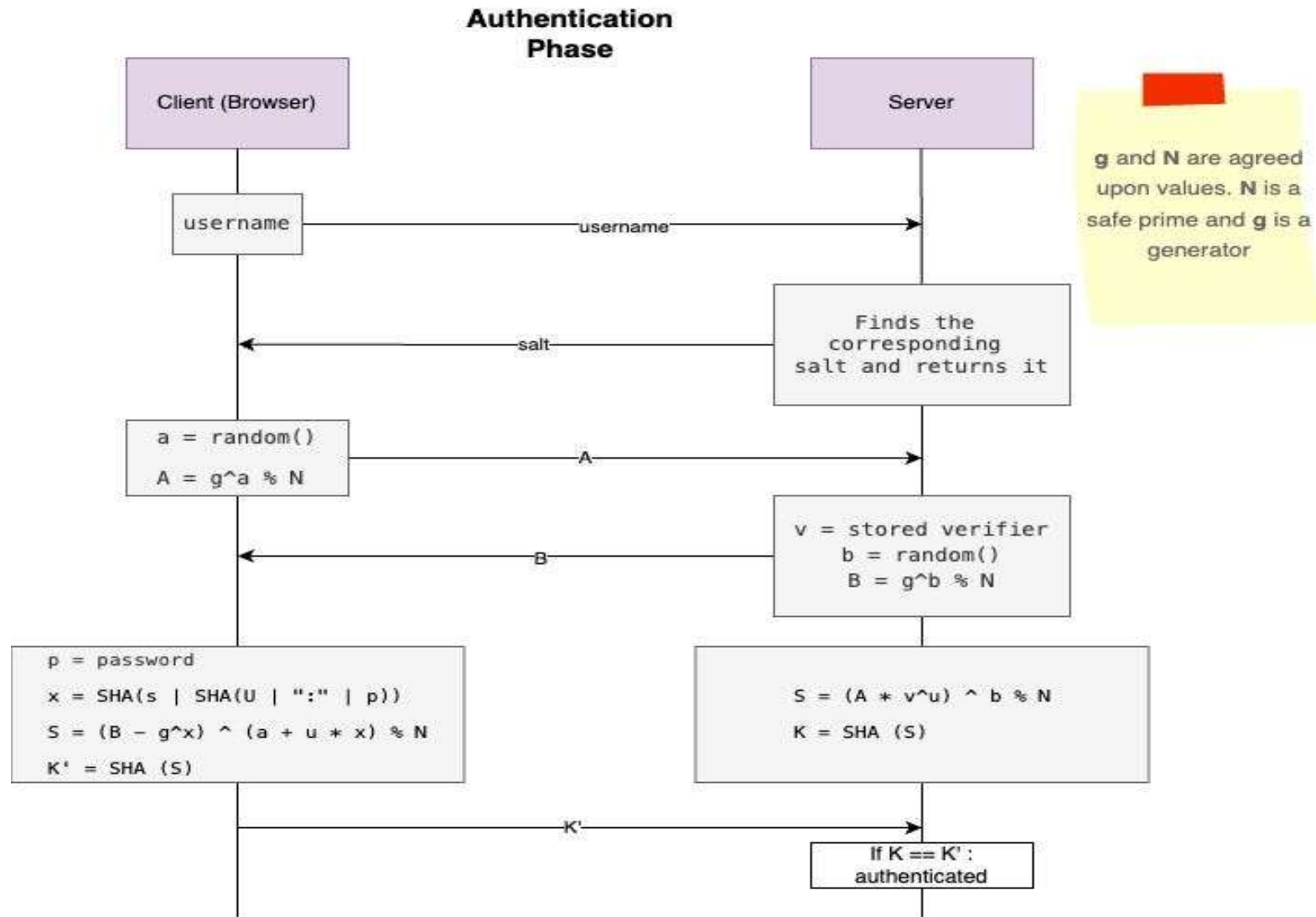
Domain – Cyber Security

Technology – Python



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# Concepts and Methods



# Implementation

We are going to implement ZKP in an environment to improve security and enhance our understanding about different algorithms and encryption techniques.



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