

SPL-1 Project Proposal Form, 2023
Institute of Information Technology (IIT)
University of Dhaka

Student's Name:	Adnan Bin Wahid		
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<p>Project Description:</p> <p style="text-align: center;"><u>HashStego Vault</u></p> <p>“HashStego Vault” is an innovative digital security application that combines the power of LSB (Least Significant Bit) steganography with the SHA-512 hashing algorithm to provide users with a robust and secure means of hiding sensitive data within images while ensuring data integrity through hashing.</p> <p>The objectives of the HashStego Vault project are as follows: Data Hiding, Data Hashing, Data Retrieval, Data Verification .</p> <ul style="list-style-type: none">● Least Significant Bit (LSB) Steganography is a common technique for hiding information within an image by manipulating the least significant bits of pixel values.● SHA-512 (Secure Hash Algorithm 512-bit) is a cryptographic hash function that generates a fixed-size (512-bit) hash value from an input data.			
<p>Languages or Tools to be used:C , C++ , Visual Studio Code,Git, GitHub</p>			
<p>Supervisor's Name: Dr. Mohammed Shafiul Alam Khan</p> <p>Signature of the supervisor:_____</p> <p>Date:</p>			

Before the Midterm Presentation:

I confirm that the progress is satisfactory and I am forwarding it for midterm presentation.

Signature of the supervisor: _____

Date: _____

Midterm Presentation Feedback: