SPL1 Project Proposal Form, 2022
Institute of Information Technology (IIT)
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Project Description: This software project aims to develop a LAN chat server using C++ which uses the idea of socket programming. The chat server will support one-to-one chat and group chat in the same local area network. The texts in the chat will be encrypted during client to server data transmission in order to provide security. AES encryption-decryption algorithm will be used for this purpose.

Main Features:
- *One to one private text sending within a LAN.*
- *Functionality for the users to create and join chat groups and send messages to all members of a chat group.*
- *Chat encryption before sending data from sender to receiver. Chat decryption after receiving an encrypted text.*

Languages or Tools to be used: C and C++

Supervisor's Name: Dr. Zerina Begum

Signature of the supervisor:

Date: