

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

<b>Student's Name:</b>	<b>Nazeeb Ahmed Chowdhury</b>		
<b>Student's Roll:</b>	<b>BSSE-1432</b>	<b>Phone:</b>	<b>01617367545</b>
<b>Project Description:</b> <b>Dream-Weaver mail is an email-client system .</b> A fully functional mail system which will be developed using c++ programming language. Its features include: <ol style="list-style-type: none"><li>1. Creating an account.</li><li>2. Authentication using password.</li><li>3. Viewing all accounts(Linked List Data structure will be used to store all the accounts ).</li><li>4. Sign Up(Correct usernames will be checked via parsing algorithms.</li><li>5. Passwords will be stored with encryption via Advanced Encryption Algorithms(AES)).</li><li>6. Log In.</li><li>7. Sending email to other user.</li><li>8. User can send images/files,which will be compressed via compression Algorithms such as Burrows Wheeler Transform/Huffman/RLE.</li><li>9. I will use socket programming to send the mail to a second PC/server.</li><li>10. Storing received emails and searching a particular message.</li><li>11. Deleting email.</li><li>12. Viewing sent and received emails.</li><li>13. Deleting account.</li></ol>			

<b>Languages or Tools to be used:</b> C++,git-hub,git,vs-code
<b>Supervisor's Name:</b> Associate Prof. Kishan Kumar Ganguli sir. <b>Signature of the supervisor:</b> _____ <b>Date:</b> August 6,2023
<b>Before the Midterm Presentation:</b>  I confirm that the progress is satisfactory and I am forwarding it for midterm presentation.  <b>Signature of the supervisor:</b> _____  <b>Date:</b> August 6 , 2023

**Midterm Presentation Feedback:**