**SPL1 Project Proposal Form, 2022**

**Institute of Information Technology (IIT)**

**University of Dhaka**

|  |  |  |  |
| --- | --- | --- | --- |
| **Student’s Name:** | **Md. Sabbir Hosen** | | |
| **Student’s Roll:** | **BSSE 1333** | **Phone:** | **1729567821** |
| **A Basic Image Processing Tool**  **Project Description:**  This project will take a grayscale image as input and enable a user to perform basic image enhancement operations.   1. Basic image enhancement :   This part will perform:  \* Brightening  \* Sharpening  \* Smoothing   1. Basic segmentation   Basic image segmentation algorithm such as, line detection, thresholding, and point detection will be implemented and tested over the input images. Further features will be added according to the recommendation of supervisor. | | | |
| **Languages or Tools to be used: C, C++** | | | |
| **Supervisor’s Name: Dr. Emon Kumar Dey**  **Signature of the supervisor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Date: 04 - 01 - 2023** | | | |