**SPL1 Project Proposal Form, 2022**

**Institute of Information Technology (IIT)**

**University of Dhaka**

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| **Student’s Name:** | Mst. Fareya Azam | | |
| **Student’s Roll:** | BSSE 1331 | **Phone:** | +880 1792 91 11 96 |
| **Project Description:**  **Static Code Analyzer**  Control flow analysis is a static-code-analysis technique for determining the control flow of a program. The control flow is expressed as a control flow graph (CFG). CFG is basically a graphical representation of a program, where statements are represented by nodes; statement dependencies or jumps are represented by edges.  This analyzer is going to implement a program that will take a source-code-file in C as input. On basis of the input, it will generate its control flow graph. This very graph would represent information that can be used for optimization. | | | |
| **Languages or Tools to be used:**  C, C++  Visual Studio Code, Github, Git, Gitbash | | | |
| **Supervisor’s Name: \_\_\_**Dr. Sumon Ahmed**\_\_\_**  **Signature of the supervisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Date: \_\_**04/01/2023**\_\_** | | | |