**Data Science & Algorithm Lab**

**Semester Project Proposal Submission**

****

**Submitted To**

Ma’am Alina Munir

**Submitted By**

Wali Muhammad 2021-SE-39

**Assignment Title**

DSA Semester Project Proposal

1. **Algebraic Calculator**
2. Stack from Group A
3. Tree from Group B

The Algebraic Calculator will have In-Order to Post-Order evaluation and Expression Tree as to evaluate Algebraic Expression.

1. **Snake Game**
2. **Queue** using **Linked List** in this game

This ***Snake*** -game is a console-based game which is implemented using C++ programming language. Player guides the snake around the rectangular grid, trying to eat food and avoid colliding into the walls or hitting its own tail. The snake grows as eats food, its body gets longer, and player’s score increases.