# Muhammad Shehzad

# Reg No. 6028

# BESE-4A

# Lab 2

## Introduction:

In this lab 2 types of matrix multiplication are implemented.

1. Iterative multiplication
2. Strassen’s algorithm multiplication

It was necessary to implement this lab by using smart pointers or STL without any memory leaks or dangling pointers.

## How to Run:

To run code open visual studio and add c++ project. Copy given class and compile it.

Size of rows and columns is hard coded.

## Analysis:

Analysis shows that iterative method of matrix multiplication is easy to implement while Strasson method is difficult to implement.

Strasson method gives efficient results as compared to iterative method of matrix multiplication.

Github link:

https://github.com/Muhammad-Shehzad/Ap\_Lab2\_Smart-Pointers