**Advanced Programming**

**CS-213**

**Lab 01**

**Matrix Multiplication**

**Documentation**

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**BSCS4-A**

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**Introduction:**

In this lab, we had to create a library using java that can be used to multiply two matrix of dynamic sizes using iterative and Strassen’s Method of matrix multiplication. This library can be used in different dynamic applications to calculate the multiplication result of two matrix. Then we have to create unit tests for testing of our library. In the end we have to commit the project to a public repository.

**Approach:**

In this lab, we used iterative and Strassen method to multiply two matrices.

I actually googled the code for both iterative method and Strassen Method and pasted.

**How to Run:**

At the end of the lab, you can run the test (unit test) of the algorithm to prove its working using base cases defined in the unit test. The project has been exported as a library in exported zip file.

**Analysis:**

The library can be used to for multiplication of two matrices of dynamic size. The unit test proves that the library is working fine. The code however was copied as told by Sir Fahad.