

**ADVANCE ANALYSIS OF ALGORITHM  
Project Paper Proposal**

Lecturer: Dr. Muhammad Rafi

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**Submitted By:**

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# Selected Paper (Divide & Conquer):

**A Divide and Conquer Approach and A Work-Optimal Parallel**

**Algorithm for The LIS Problem**

# Motivation:

The motivation behind selecting the above paper is that to better grasp and understand the root and paradigm of algorithms based on Divide and Conquer technique. The practical approach of divide and conquer algorithms are not easy to grasp (Not for me) so I want to take this opportunity and time to clear and understand the concept in best way possible.

# Selected Approach:

I will be implementing the paper (second choice) for better understanding of the concept.