

Project Proposal

Topic

“**Parallel Processing of Algorithms**” **BY**

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# Project Description

This project is about determining the most efficient programming technique out of the following three: Serial, OpenMp, and Multi-threading (pthreads). This is done by experimenting each of these techniques on the following three sorting algorithms: Binary-Insertion Sort, Selection Sort, and Cocktail Sort. The serial, obviously, falls under the sequential programming, while the other two are used to achieve Parallel Programming.

# Project Objective

In this project, we aim to discover the most efficient technique which is done by executing programs of which each contain an array, with unsorted elements, and using a timer to record the sorting time of each technique.