

Vidya Jyothi Institute of Technology

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Department of CSE

Interactive Learning(Poster Presentation)

Subject : Design and Analysis of Algorithms

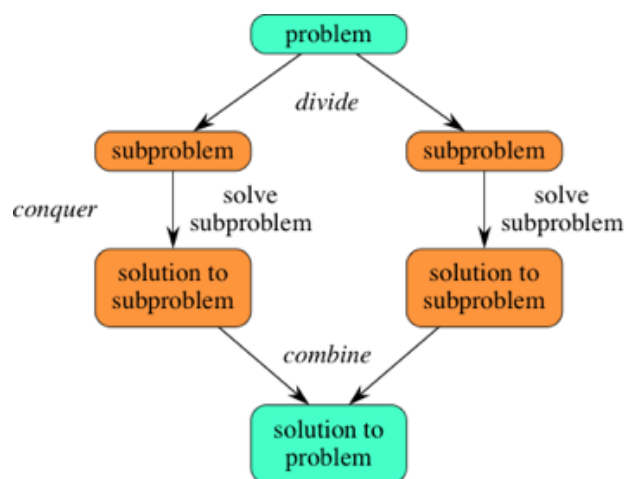
Topic: Divide on Conquer

Date:28/01/2020

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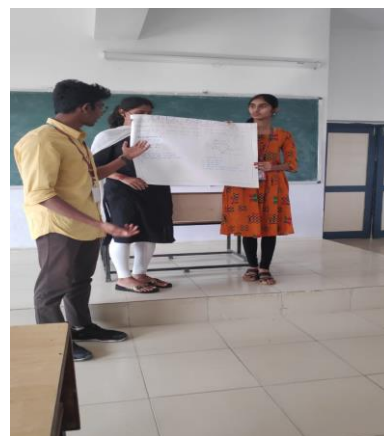
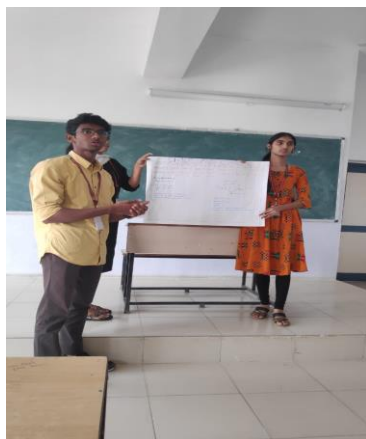
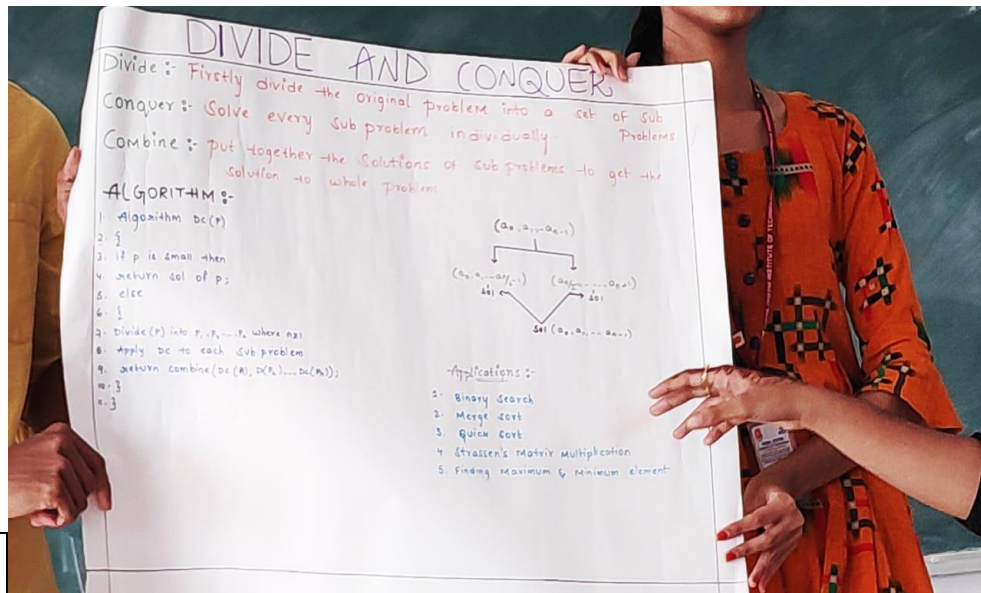
Content: A typical Divide and Conquer algorithm solves a problem using following three steps.

1. Divide: Break the given problem into subproblems of same type.
2. Conquer: Recursively solve these subproblems
3. Combine: Appropriately combine the answers



Following are some standard algorithms that are Divide and Conquer algorithms.

- 1) Binary Search
- 2) Quicksort
- 3) Merge Sort
- 4) Strassen's matrix multiplication



☐ (Faculty Incharge)

(CSE-HOD)