TEAM ID   :   NM2023TN
PROJECT TITLE   : CREATION OF AN APPLICATION FOR
.   SCHOOL   MANAGEMENT

Project Development Phase

In this milestone you will start the project development and expected to perform the coding & solutioning, performance testing submit them.

Utilization Of Algorithms, Dynamic Programming, Optimal Memory Utilization

In this activity you are expected to develop & submit the developed code by testing it.

- Therefore, Dynamic programming algorithms are often used for optimization. Sub-problems that have been already calculated will be quoted or not, all of the solutions are storing in a table structure. Therefore, the solutions can be found from the table when the sub-problems appear again instead of computing once again.
- Dynamic programming has applications in mathematical optimization, computational complexity theory and computer programming. When an algo- rithm is broken down such that the runtime is most efficient, it is in its optimal substructure

- Algorithms that use dynamic programming

- The Needleman-Wunsch and other algorithms used in bioinformatics, including sequence alignment, structural alignment, RNA structure prediction.