SNS COLLEGE OF TECHNOLOGY

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Accredited by NAAC-UGC with 'A++' Grade (Cycle III) ,
Accredited by NBA (B.E - CSE, EEE, ECE, Mech,B.Tech.IT)
COIMBATORE-641 035, TAMIL NADU

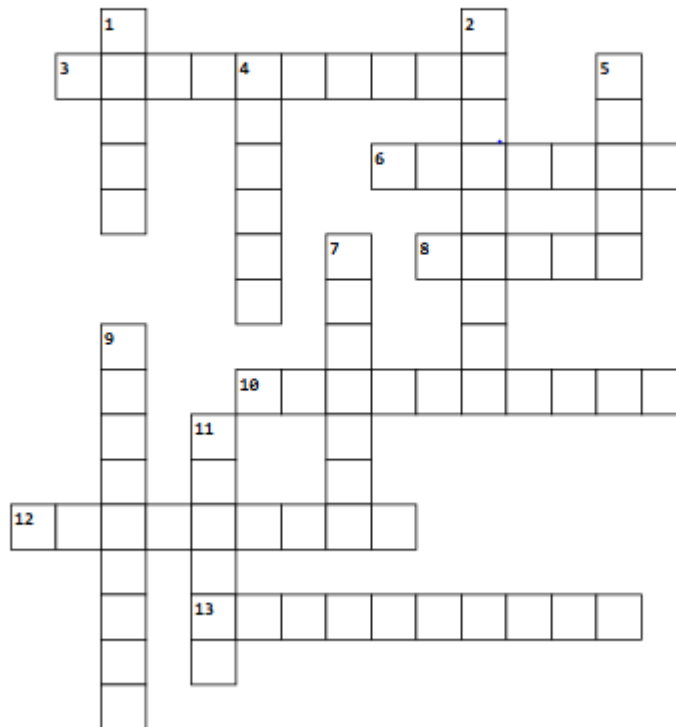**COURSE NAME : 23ITB201 – Design and Analysis of Algorithms**

II YEAR/ IV SEMESTER

PUZZLES

Topic: Puzzles

Crossword for Design and Analysis of Algorithm

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Across

3. sorting technique which compares adjacent elements in a list and switches whenever necessary

6. simple algorithm to find minimum cost spanning tree.

8. Data structure used in DFS

10. characteristic of an algorithm should terminate after finite number of steps

12. Divide and Conquer algorithm

13. algorithms are used to find the shortest path from a source node to all other nodes in a weighted graph?

Down

1. Efficiency class of matrix multiplication

2. collection of related, similar or dissimilar elements

4. efficiency class of finding maximum element in an array

5. data structure is used to perform recursion

7. address of another variable

9. step by step procedure to solve a PROBLEM Dijikstras single source shortest path problem

11. name of the method to find one optimal solution from set of feasible solutions