



EAST WEST UNIVERSITY

**Lab Report - 03**

**Course Code – CSE366**

**Section – 02**

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### **Performance Comparison Table**

Maze Size	DFS (Time – Path)	BFS (Time – Path)	UCS (Time – Path)
Tiny Maze	0.00068 - 10	0.00109 - 8	0.00079 - 8
Medium Maze	0.00374 - 30	0.00755 - 68	0.00904 - 68
Big Maze	0.00822 - 210	0.01144 - 210	0.03654 - 210

For Tiny maze, we can see DFS has the shortest time, but BFS and UCS have the Shortest path.

For Medium maze, DFS has the shortest time with shortest path in comparison to BFS and UCS.

In the case of Big maze, all the algorithms have the same path length but DFS has the shortest time.