



Shri Vile Parle Kelavani Mandal's

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING

(Autonomous College Affiliated to the University of Mumbai)

NAAC Accredited with "A" Grade (CGPA : 3.18)



A.Y. 2022-2023

Subject: Artificial Intelligence

SAP ID: 60004220253 – Devansh Mehta

Experiment No. 04

Aim: Implementation of Hill Climbing Algorithm

Output:

```
PS C:\Users\devan\OneDrive\Desktop\AI Prac Codes> & C:/Users/de
"c:/Users/devan/OneDrive/Desktop/AI Prac Codes/hill_climb.py"
[[], [], [], ['B', 'C', 'D', 'A']]
[['A'], [], [], ['B', 'C', 'D']]
[['A', 'D'], [], [], ['B', 'C']]
[['A'], ['D'], [], ['B', 'C']]
[['A'], ['D'], ['C'], ['B']]
[['A', 'B'], ['D'], ['C'], []]
[['A', 'B', 'C'], ['D'], [], []]
[['A', 'B', 'C', 'D'], [], [], []]
Final state - [['A', 'B', 'C', 'D'], [], [], []]
```