



A.Y. 2022-2023

Subject: Artificial Intelligence

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### Experiment No. 03

**Aim: Implementation of A\* Algorithm**

**Output:**

```
PS C:\Users\devan\OneDrive\Desktop\AI Prac Codes> & C:\Users\devan\OneDrive\Desktop\AI Prac Codes\a_star.py"
Open list :{'A'}
closed_list:set()

Open list :{'C', 'B', 'D'}
closed_list:{'A'}

Open list :{'C', 'D'}
closed_list:{'B', 'A'}

Open list :{'D'}
closed_list:{'C', 'B', 'A'}

Open list :set()
closed_list:{'C', 'B', 'D', 'A'}

Path found: ['A', 'B', 'D']
```