

Government Engineering College **Thrissur**

CS331 – System Software **LabDocumentation** **Exp5 – DISK Scheduling Algorithm**

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Experiment 2:

Simulate the following disk scheduling algorithms.

a) FCFS b)SCAN c) C-SCAN

Compilation of CodePrerequisite

- The code is provided in the **program.c** file along with its documentation. You just need to run it on any compiler.
- As output you will first see the input. If you want to change input the change in the **input.txt** file int format Number.
- First line in the **input.txt** contain **head**. Rest lines contain requests. The requests should remain in the limit **start** and **end** constants inthe program.
- Out put of the file will be stored in the **output.txt** file as well as terminal or compiler in which it is executed.

Output Screenshots

```
PS C:\Users\rejat\Desktop\Assignment\ss lab\E5\upload>
PS C:\Users\rejat\Desktop\Assignment\ss lab\E5\upload> .\a.exe
-----
Input
Current head position : 53
Sectors numbered from : 0 to 199
Requests are:   98      183      41      122      14      124      65      67
-----
Output
FCFS:
Total head movement:632

SCAN:
Enter direction: 1.Larger 0.Smaller:1
Total head movement:331

C-SCAN:
Enter direction: 1.Larger 0.Smaller:1
Total head movement:386
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```