

## LAB EXERCISE ON CPU SCHEDULING ALGORITHMS

### GROUP EXERCISE (GROUPS OF 4)

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- The groups are expected to write a program to illustrate the algorithm allocated to their group. Groups are free to use any programming choice.
  - One member of the group will select the question to tackle on the eLearning
  - Upload your code on the link provided on the Elearning. Ensure you comment your programs for full score.
  - The Exercise will be presented in class for grading
  - The assignment will form CAT 2 with a weighting of 15% and all group members are expected to be present during presentation
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1. Write a program to simulate the CPU scheduling algorithm First Come First Serve (FCFS)
2. Write a program to simulate the CPU scheduling algorithm, shortest job first .
3. Write a program to simulate the CPU scheduling algorithm, shortest remaining job first.
4. Write a program to simulate the Priority CPU scheduling algorithm
5. Write a program to simulate the round-robin CPU scheduling algorithm

The programs should be interactive and compute the average waiting and turnaround time.