# CPU SCHEDULING ALGORITHM

## INTRODUCTION

Scheduling of processes/work is done to finish the work on time. CPU Scheduling is a process that allows one process to use the CPU while another process is delayed (in standby) due to unavailability of any resources such as I / O etc, thus making full use of the CPU. The purpose of CPU Scheduling is to make the system more efficient, faster, and fairer.

## TECHNOLOGY USED

These are simple algorithm designed for cpu scheduling process which are very easy to understand and implement if we have good knowledge of this whole process. Scheduling algorithm used are

1: First  Come First Serve(FCFS)

2: Longest Job First(LJF)

3: Shortest Job First(SJF)

4: Priority

5: Round Robin(RR)

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## BRIEF DESCRIPTION

The CPU Scheduling is the process by which a process is executed by the using the resources of the CPU. The process also can wait due to the absence or unavailability of the resources. These processes make the complete use of Central Processing Unit.

## PROBLEM STATEMENT

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## PROPOSED SOLUTION

The primary objective of CPU scheduling is to ensure that as many jobs are running at a time as is possible. On a single-CPU system, the goal is to keep one job running at all times.

## OUTCOME:

The CPU scheduling algorithm determines the order in which processes are executed and how much CPU time each process is allocated. A good CPU scheduling algorithm should ensure that each process gets a fair share of the CPU time, while also maximizing overall system throughput and minimizing response time.

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