# Shortest-Job-First Scheduling (SJF)

- When the CPU is available, it is assigned to the process that has smallest next CPU Burst.

- If the next CPU Burst of two processes is same, FCFS algorithm is used to break the tie.

- SJF algorithm has both preemptive and nonpreemptive version.

- Preemptive SJF scheduling is also known as shortest-remaining-time-first scheduling (SRTF).

we will only discuss about nonpreemptive SJF in this video.

Advantages :-

1) It minimizes the average waiting time.