### Introduction to the project:

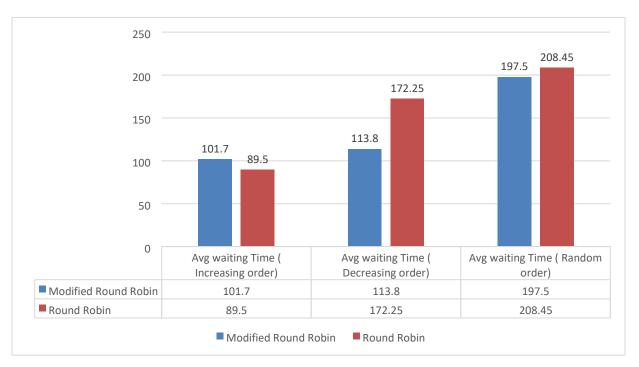
Scheduling is the central concept used in Operating Systems. It helps in choosing the processes for execution in an efficient sequence. Round Robin (RR) is one of the most commonly used CPU scheduling algorithms. But there is a degradation of performance with respect to context switching, which is an overhead cost to the system. The performance of a system depends on the choice of an optimal time quantum, so as to reduce context switching. In this paper, we have proposed a new variant of Round Robin which is better than the traditional Round Robin scheduling by reducing context switching, average waiting time and average turnaround time

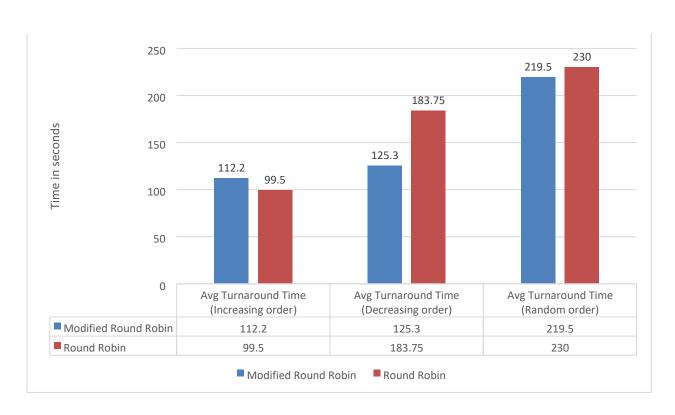
## **Objectives of the project:**

- To reduce context switching.
- · To reduce average waiting time.
- To reduce average turnaround time.
- Predicting Burst Time.

### **Graphical representation:**

# Comparison Round robin and modified round robin algorithm:





### Knn machine learning algorithm predict burst time:



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