Review Report 2

Project Title:	CPU SCHEDULING WITH DYNAMIC TIME ALLOCATION AND PREDICT BURST			
	TIME USING ML			
Members	19BCE1713	19BME1305		
Enrolment IDs				

Introduction to the project:

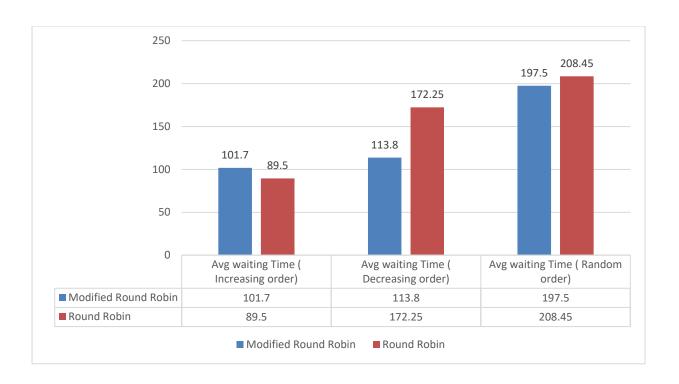
Scheduling is the central concept used in Operating Systems. It helps in choosing the processes for execution in an efficient sequence. Round Robin (RR) is one of the most commonly used CPU scheduling algorithms. But there is a degradation of performance with respect to context switching, which is an 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

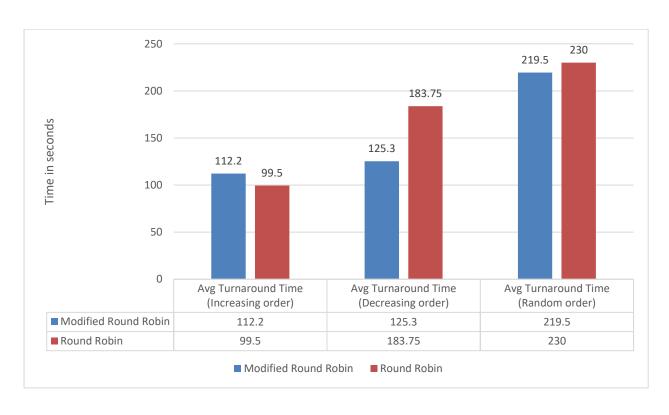
Objectives of the project:

- 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:



Tasks completed after Review 1:

- 1.) Coding the designed algorithm using C programming language.
- 2.) Plotting the graph comparing normal algorithm and modified algorithm
- 3.) Proposing an algorithm to predict burst time.
- 4.) Implementation of algorithm using python to predict burst time.