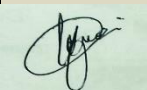


NAME OF STUDENT: _____ ID No: _____

Assignment-3
Spring 2024

Department / Faculty	Program	Semester	Course Title	Instructor	Issue Date	Due Date	Faculty Signature	Total Marks
FCIT	BSSE	4	Operating System	M.Irfan	28/05/2024	04/06/2024		6

Instructions

1. This paper contains **1 Questions**. Attempt all questions.
2. This quiz should be completed within the in assigned time, after the due time, quiz will not be accepted.
3. Please ensure that no part of your quiz should be copied from any resource.
4. The expected outcome of this assignment follows (C2, PLO-2, CLO-2)

This table is for official use; do not write anything on it.

CLOs	CLO_2		Total
Question Number	1		
Student's Score			
Maximum Score	6		

This paper has a total of **2 pages** including this title page

NAME OF STUDENT: _____ **ID No:** _____**Assignment # 3**
Spring 2024
Operating System***Expected Outcome:******CLO2,PLO-2,C2:******Analyze and evaluate the algorithms of the core functions of the Operating Systems and explain the major performance issues with regard to the core functions*****Total (6 marks)**

Q1: Analyze, evaluate and differentiate all scheduling algorithms given below and mention which scheduling algorithm is best for the given problem?

There are 7 processes P1 to P7. Their respective priorities, Arrival time, and Burst times are given below. Calculate TaT and WT ?

Process	Priority	Arrival Time	Burst Time
1	2 (H)	0	1
2	6	1	7
3	3	2	3
4	5	3	6
5	4	4	5
6	10(L)	5	15
7	9	15	8

- I. Non-preemptive FCFS
- II. Shortest Remaining Time First
- III. RR. Time quantum = 3
- IV. Priority Scheduling
- V. Longest Remaining Time First
- VI. Highest Response Ratio First