21AIE202 Operating Systems

Assignment 2.

Create a scratch animation showing the memory management scheme with atleast 2 levels of pagetables.

Evaluation criteria
5 Marks for paging scheme.
5 Marks for address translation.
5 Marks for additional topics within the topic memory management.
Submit the group wise assignments and two page document on or before Jan 4th 2023.

Lab Evaluation

A lab evaluation of the programs (excluding XOS) will be conducted in the first week of January 2023. The evaluation for 10 marks will be accounted as a factor for the end semester examination marks.
Tentative date :- Jan 1st week.

Term Project (Group wise)

A project in XOS.Each group can perform RR scheduling algorithm and implement that in XOS.
The number of processes to consider = (Your group number % 3)+3
Group 17 -> (17 % 3)+3 =5
Group 4 -> (4% 3) +3 = 4
Min Burst requirement for each process= (Group_number % 5)+5
Time Quantum A batch -> 3
Time Quantum B batch ->4

Process A will only print A. So if the burst requirement is 7 it should end after printing “A” 7 times.

You have to record your screen showing the working of the code.Upload the screen recording to YOUR onedrive and share the link. The program files along with a two page document can be submitted as a zip file.

The Project will be evaluated for end semester marks.
Deadline :- Jan 22nd ,2023.

End semester examination
A written test .
Date: - Will be informed . Can expect this towards the end of January