Centurion University

**MAJOR PROGRAMMING PROJECT**

Project Name : OS CONCEPTS

Group Members:

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Project Type : Software & different development websites.

Introduction :

Use Educational software which give us the idea about concepts of different subjects.

We develop a software for getting more knowledge and fundamentals about OS concepts for the following problem statements.

We make it public as every one can access this software at free of cost for their studies and research purpose.

Problem Statement :

To develop a free educational software using java and java swing to demonstrate and verify basic OS concepts such as ;

i)Process creation

ii)Process scheduling (fcfs,sjf,priority,rr)

iii)Process Synchronisation (producer consumer problem,work in progress…..)

iv)Dead lock(causes of dead lock,dead lock prevention,banker’s algorithm)

v)Page replacement algorithm (lru,optimal,fifo)

Methods:

1-SDLC process

2-Frontend designed by java swing

3-programming using java

4-backend (by creating well stuctured database)

5-web technologies-HTML,CSS,BOOTSTRAP,JAVASCRIPT

6-web domain & hosting-AWS

Hardware/Software

**Do by your self…….**

Conclusion :

To create a well defined educational software for both teacher and student to gain more knowledge about OS concepts.