NORTH SOUTH UNIVERSITY
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

Project Proposal

Summer 2021

CSE 323: Operating Systems Design
Section: 6

Submitted To:

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Project Title:

CPU Process Scheduling & Deadlock Detection

Overview:

The process scheduling is the activity of the process manager that handles the removal of the running process from the CPU and the selection of another process on the basis of a particular strategy. Process scheduling is an essential part of a Multiprogramming operating systems.

Aim and Objectives:

The aim of this project is to develop an automated Process Scheduling & Deadlock Detection system. And it is achieved by detecting on the following objectives:

- FCFS (First come first serve)
- SJF (Shortest Job First)
- Priority
- Round Robin
- Deadlock
- Gantt chart

System Tools:

Python

Project Risks Assessment:

- Inaccurate Estimations
- Risk of losing data
- Bugs or errors
- End-user Engagement

Participants:

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