Abstract

The embedded systems work on real time operating systems (ERTOS). There are many CPU scheduling policies in general operating systems out of which ERTOS most commonly follow the priority and round robin scheduling. The aim of this research work is to evaluate performance of these scheduling policies. Simulation is adopted as tool to find the best policy that can be implemented to boost the performance of the ERTOS. This model is in the form of a set of assumptions concerning operation of a system. The simulator designed accesses the performances of Round Robin, Priority preemptive and non preemptive scheduling policies in terms of average waiting time and average turnaround time for a number of processes.

Reference

**Index Terms**

Computer Science

Operating Systems

**Key words**

Simulator

Scheduling

Round Robin

Priority

Embedded Real Operating system