Abstract

A conventional round robin is a distinctive approach to the CPU scheduling algorithm. It is somehow related to the First Come First Serve approach with preemption included to give a fair chance to all the processes to execute waiting in the ready queue. A fixed time period known as time quantum is defined. The predominant round robin is an impartial algorithm since each process is given a fair share to complete its execution on its chance. No process is apportioned the CPU for more than one time quantum, so even if a fraction of time is remaining for a process to conclude its execution, the process is directed back to the ready queue and has to wait for its turn. Here, in this paper we have put forth an approach which will vanquish the
challenge which the conventional round robin faces.

References

- Debashree Nayak Lecturer Gandhi Institute of Technology And Management, Bhubaneswar, Odisha, India, Sanjeev Kumar Malla Student Gandhi Institute of Technology And Management, Bhubaneswar, Odisha, India, Debashree Debadarshini Student Gandhi Institute of Technology And Management, Bhubaneswar, Odisha, India, "Improved round robin scheduling using dynamic time quantum", International Journal of Computer Applications (0975 – 8887), Volume 38- No. 5, January 2012.
- Yaashuwanth C & R. Ramesh Department of Electrical and Electronics Engineering, Anna University Chennai, Chennai 600 025, "Intelligent time slice for round robin in real time operating systems", IJRRAS 2 (2) February 2010.
- Ajit Singh, Priyanka Goyal, Sahil Batra, "An optimized round robin scheduling

- Saroj Hiranwal, Computer Science and Engineering Suresh Gyan Vihar University Jaipur, Rajasthan, India. Dr. K. C. Roy roy.krishna@rediffmail.com, Electronics and communication Engineering Pacific University Udaipur, Rajasthan, India &quot;Adaptive Round Robin Scheduling using Shortest Burst Approach Based on Smart Time Slice&quot;; International Journal of Data Engineering (IJDE), Volume 2, Issue 3.


Index Terms

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Confluence
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