



## Introduction to CPU Scheduling Algorithms

By Saxena, Himanshi / Agarwal, Prashant

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Design and Performance Evaluation of Optimum Service Time Concept for Round Robin Algorithm (OSTRR) | Extending the concept of Round Robin algorithm (RR) to incorporate user or system defined priority and consider the case of different arrival times of process and suggesting a novel approach that minimizes context switching overhead, average waiting time and turnaround time. Approach: We calculate Optimum Priority OP for each process which determines the order of execution of processes, Optimum Service Time OST for each process which determines time of execution of process in a single round and execute the processes in RR fashion using the calculated parameters. Results: Based on experiments and calculations, the proposed algorithm is successful in reducing afore mentioned problems. Conclusion: Our proposed algorithm can be effective in priority based systems where burst time and arrival time can be easily predicted. | Format: Paperback | Language/Sprache: english | 52 pp.



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