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### Improving the performance of multi level round robin scheduling

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Abstract - Literature reported that in Multilevel Round Robin Scheduling algorithm there are more than one queue and processes are assigned queue based on their assigned priority . Processes from lower priority queue are considered for scheduling if there is no process in a queue of higher priorities . For each queue the scheduling algorithm used in Round Robin Scheduling . In Round Robin Scheduling CPU scheduler goes around the queue allocating the CPU to each process for a time interval of up to one time quantum . If the process does not complete its execution within the time quantum the process is put at the end of ready queue and process switch occurs where state of the running process is put on to stack and the state of the next process is taken from the stack and its execution is resumed . If the time required for the running process is slightly more than time quantum by a fraction, even then process is preempted and context switch occurs. This results into more waiting time for that process and more overheads due to unnecessary context switch . In this paper an algorithm using fuzzy logic has been proposed that tries to remove these two problems. some modification in basic scheduling algorithm has been done to get starvation free scheduling .