GD: Real Time Systems & Scheduling

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1. Shivang (Introduction & Real Time systems)
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A real-time system is any information processing system which has to respond to externally generated input stimuli within a finite and specified period – the correctness depends not only on the logical result but also the time it was delivered – failure to respond is as bad as the wrong response!

In periodic task, jobs are released at regular intervals. A periodic task is one which repeats itself after a fixed time interval.

it is a sequential program that is invoked by the occurrence of an event. An event may be generated by the processes external to the system or by processes internal to the system. Dynamically arriving tasks can be categorized on their criticality and knowledge about their occurrence times.