

## Real Time Concepts For Embedded Systems

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Real time systems are those systems that work within strict time constraints and provide a worst

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Real-Time Concepts for Embedded Systems 1st edition by Li, Qing, Yao, Caroline (2003) Paperback  
Paperback - January 4, 2003 by Qing Li (Author)

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Embedded systems are also known as real time systems since they respond to an input or event and produce the result within a guaranteed time period. This time period can be few microseconds to days or months. Real time systems are further classified as hard real time systems and soft real time systems, based on the strictness to the time period.

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An embedded system is an electronic system that are designed to perform a dedicated function within a larger system. Real-time systems are those that can provide guaranteed worst-case response times to critical events, as well as acceptable average-case response times to noncritical events. When a real-time system is designed as an embedded component, it is called a real-time

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embedded system.

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