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Embedded Systems: Architecture, Programming and Design. Raj Kamal. Tata McGraw-Hill Education, 2011 - Embedded computer systems - 681 pages. 16 Reviews .

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This chapter introduced a simple process for creating an embedded systems architecture that included six major stages: have a solid technical base (Stage 1), understand the ABC of embedded systems (Stage 2), define the architectural patterns and reference models (Stage 3), create the architectural structures (Stage 4), document the architecture (Stage 5), and analyze and evaluate the architecture (Stage 6).

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An embedded software or embedded system programming is computer software, which is used to control devices by providing a set of instructions. It is also named as firmware, various devices with various functionalities can be programmed using embedded software, by maintaining design constraints (like response time constraints, strict deadlines, and processed data) and storing the final data in memory (Ram/ Rom).

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