Embedded systems are very complex and integrate heterogenous components on a single chip. Testing methodologies differ in hardware and software domains. Hardware testing concerns with the functional verification whereas the software testing is concerned with the series of processes of dynamically executing a program with the given inputs to make sure that code does that what it was designed for. A multilevel testing method is concerned with both the hardware and software domain. In comparison to conventional approach it involves all levels of testing. This paper explores the multilevel test method for testing microcontroller based ECG System.

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Index Terms

Computer Science
Embedded Systems

Keywords
Multilevel Test Ecg System Microcontroller 89c51