

# **SOFTWARE ARCHITECTURE BASED REGRESSION TESTING IMPLEMENTATION**

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## **ABSTRACT**

The use of Software Architecture in Regression Testing has always got the “step brotherly treatment” by software fraternity. The present endeavor focuses on the amazing capability of this fascinating technique in order to accomplish the tedious task of regression testing. The work is a continuation of our earlier attempt and has been successfully applied to a large Enterprise Resource Planning system. The work is good enough to compete with the existing techniques. It promises to bring the advantages of software architecture at the fore. The initial results are encouraging and pave way for the technique to be used for larger systems.

**KEYWORDS:** Regression Testing, Software Architecture, Test Case Selection