



Implementation of Object Oriented Automated Testing in Matlab using MUnit Tool

¹Manoj, Department of CSE RN Engineering College, Computer Science Engineering

²Ms. Pooja Ahlawat, Department of CSE , Assistant Professor, RN Engineering College

Abstract: *Validation and verification of the code is required because of ever-increasing complexity of embedded software applications, and the emergence of safety critical applications. Several embedded software development groups are using models and doing up front engineering before testing on final product to address this need. Use of old style of testing late in the development cycle resulted in very expensive release cycles.*



© JRPS International Journal for Research Publication & Seminar

I. Introduction[1]

Object-oriented technology has become more and more popular in several various contexts. The Object-oriented paradigm is applied in the areas of programming languages, user interfaces, databases, design and specification methodologies.

OOPS based languages are widely applied in industry, and several commercial applications are developed and designed and with object oriented technology.

Object-oriented software quality has undergone a rapid change during the last years as a consequence, the attitude towards

Several analysis and design methodologies state that a well-designed object-oriented system would only need minimal testing. The object oriented paradigm has been considered powerful enough to assure software quality without any additional effort.

It is not enough to guarantee the quality of software products although object-orientation enforces many important programming principles, such as modularity, encapsulation, and information hiding,

Object oriented software contains errors just like traditional code it is known to both practitioners and researchers. Due to their peculiarities object oriented systems present new and different problems with respect to traditional programs.

II. Quality Assessment

Research addressing quality assessment lead to the definition of specific object-oriented metrics. These metrics provide quality indicators for identifying

parts of the system which are more likely to be error-prone.

Quality of object-oriented software has been addressed from two different viewpoints, namely, quality assessment and quality achievement in the last years,

When the level of quality of a class, a cluster of classes, or a system is inadequate, we need a way of

Note : For Complete paper/article please contact us info@jrps.in
Please don't forget to mention reference number , volume number, issue number, name of the authors and title of the paper