

SOFTWARE QUALITY AND DEFECT TRACKING SYSTEM

J. NAVEENKUMAR, MILIND BHOR AND S. D. JOSHI

Abstract

Software quality has been playing a vital role and is becoming more important. Software is being used in various kinds of products and is used in many demanding applications. Software defects have created a serious damages and even physical harm. The software defects in finance or word applications make user galling and increases the word done by the user and the cost is also increased, but nobody is injured or killed. When software-intensive systems or critical applications are considered like airplanes, automobiles, control air traffic, run factories, or operate power plants, defects can be dangerous. People have been killed by defective software. Although software defects exist, software is ideally suited for critical applications, they do not deteriorate like hardware. Software is reliable, versatile and economical. However, practices adopted worldwide today are not cohesive and certainly not generic enough for reuse in other projects. As the software in today's systems grows larger, it has more defects, and these defects adversely affect the safety, security, and reliability of the systems. The problem lies in ability to detect measure, predict and control the occurrences of defects as early as possible in the SDLC.

Keywords: Software Quality, software bugs, defects, Quality metrics, Defect Tracking System, DTS.