Software development and evaluation is the most difficult task in software engineering. The future of the software industry depends upon the development of software. For this purpose quality is considered essential step in designing software. Quality of software is dependable upon different aspects but the dream of software quality is not feasible without software reliability. Reliability of software is the chance of performing operation without any failure in a particular environment for a specific period. This paper is basically concerned with improving quality of software. The quality is the instrument that can predict future of the software in industry. This paper presents the strategy to measure and maintain quality of software. The research is based on the reviews collected through questionnaire and visits to persons concerned with the designing, maintaining and utilizing software. It also discusses some techniques like CMM, Process Maturity Hierarchy used for measuring the reliability of software. The solution to this problem is to focus on the weaknesses found through the research. The first step towards formulating reliable software is to trace all the facts that are responsible for failure
of software. Later each issue will be given individual attention for its resolution. At the end reliable software will be generated.

References


Index Terms

Computer Science

Software Engineering

Keywords